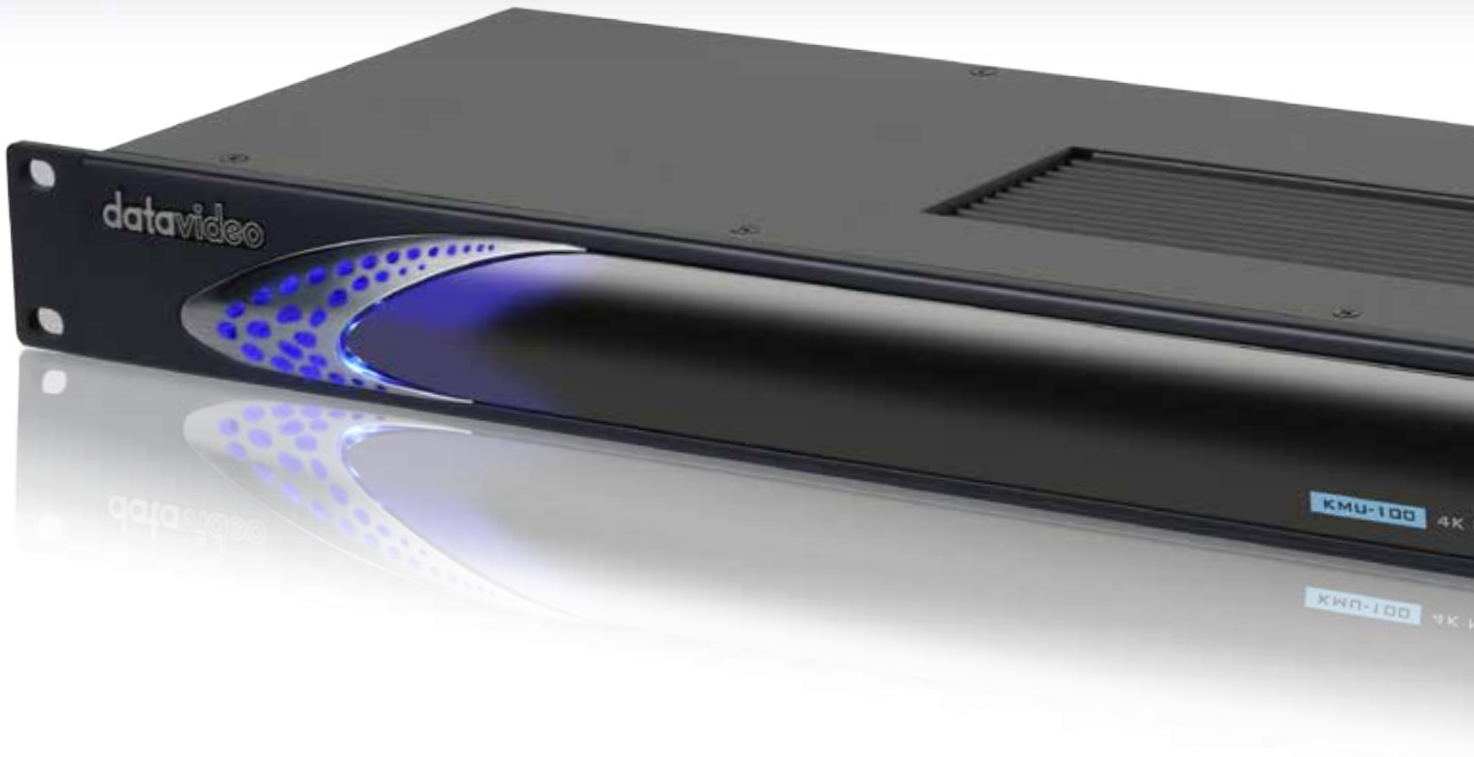
datavideo

Product Guide 2017 2018



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HD/SD 12-Channel Mobile Video Studio

OBV-2850

Datavideo OBV-2850 series is a PPU (Portable Production Unit), designed to fit into the the back of a small van to provide complete mobile production facilities. It's a transportable solution for broadcasters and professionals for both in studio and on-location productions.

OBV-2850 is available in a variety of configurations; please see the Datavideo website for different configurations

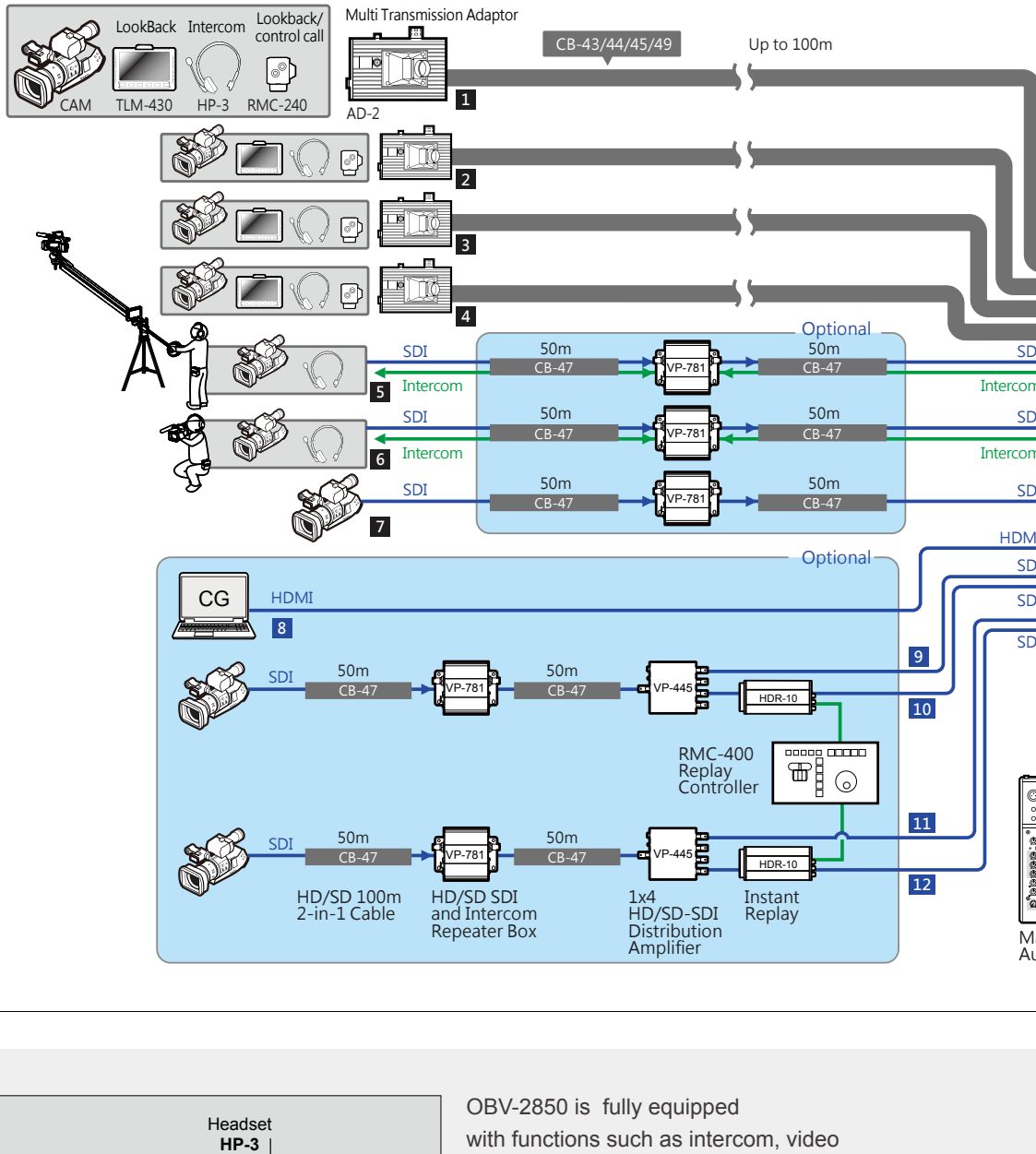
Switcher System | Audio System | Monitor System | Signal Detection and Calibration | Intercom System | Recorder System | Power System

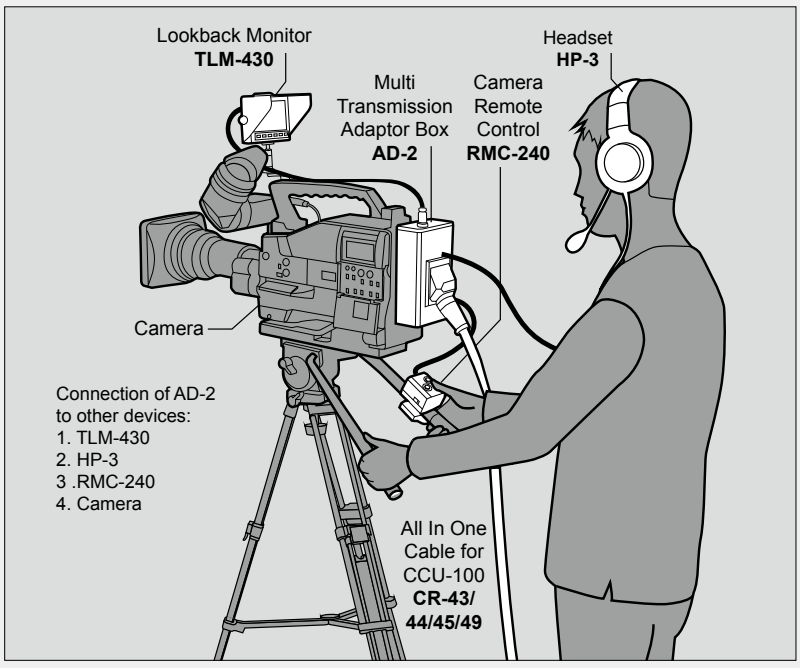
Built around the latest HD/SD switcher, it supports up-to 12 channels of HD/SD-SDI, and HDMI video signals. The system is integrated, compact, and sturdy with a metal framework for great stability and protection yet provides room for future expansion.

With power-efficient modules, OBV-2850 can be powered by a DC 12V supply. Datavideo OBV-2850 is easy to install and a cost-effective solution for live video production.

OBV-2850 typical configuration diagram

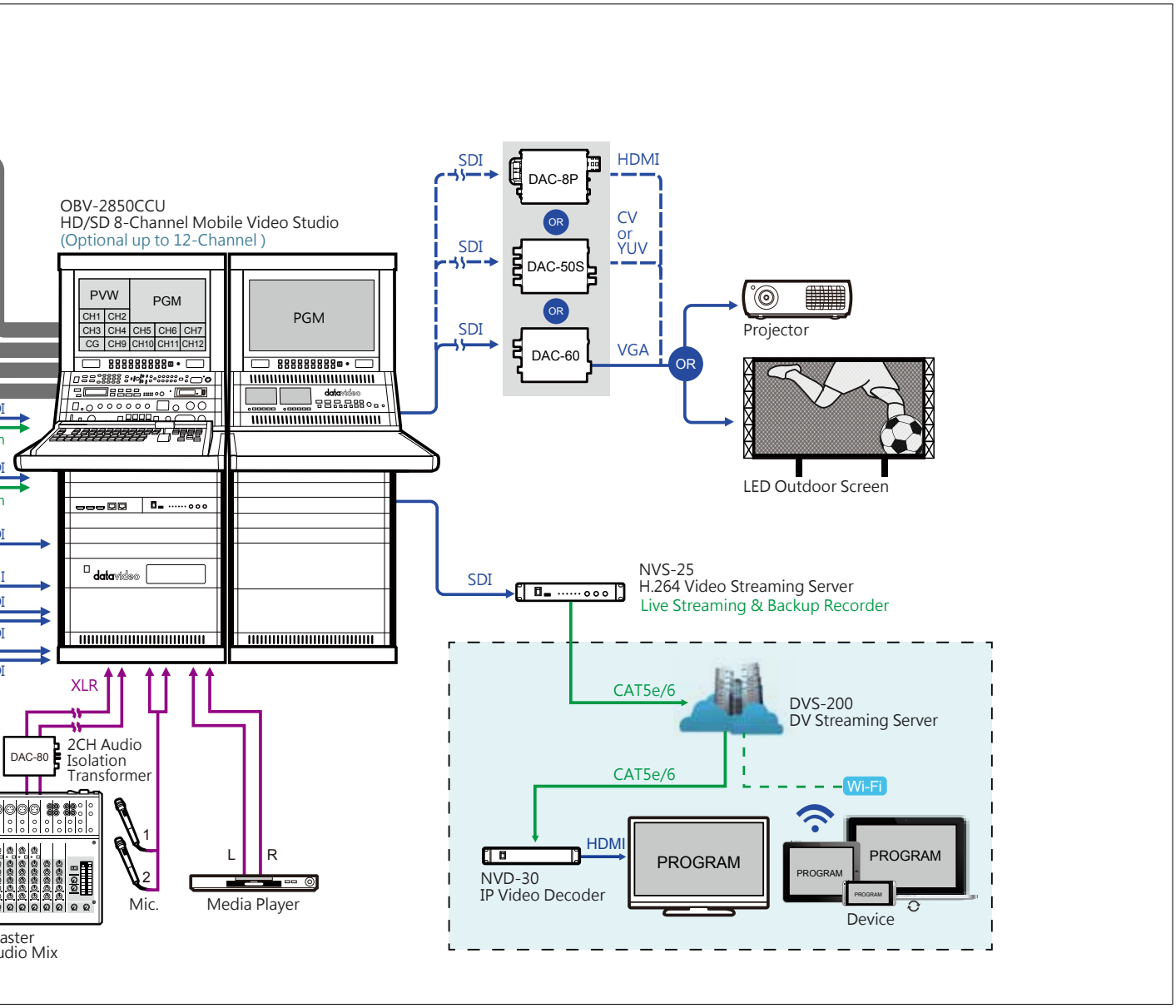
please see website for different configurations





OBV-2850 is fully equipped with functions such as intercom, video transmission, camera control, video capture, etc. Datavideo offers a complete product line for all video production, recording and streaming tasks.

OBV-2850 is available in different configurations. One of these configurations includes CCU-100, our camera control system using our proprietary multi cable, transferring camera signal, intercom, lookback signal, tally and camera power. These cables are available up to 100 meters and eliminate the hassle of complex long cable connection.



AD-2 Camera CCU Adaptor uses proprietary all-in-one cable to connect to the rear panel of the CCU-100 four-camera control center.

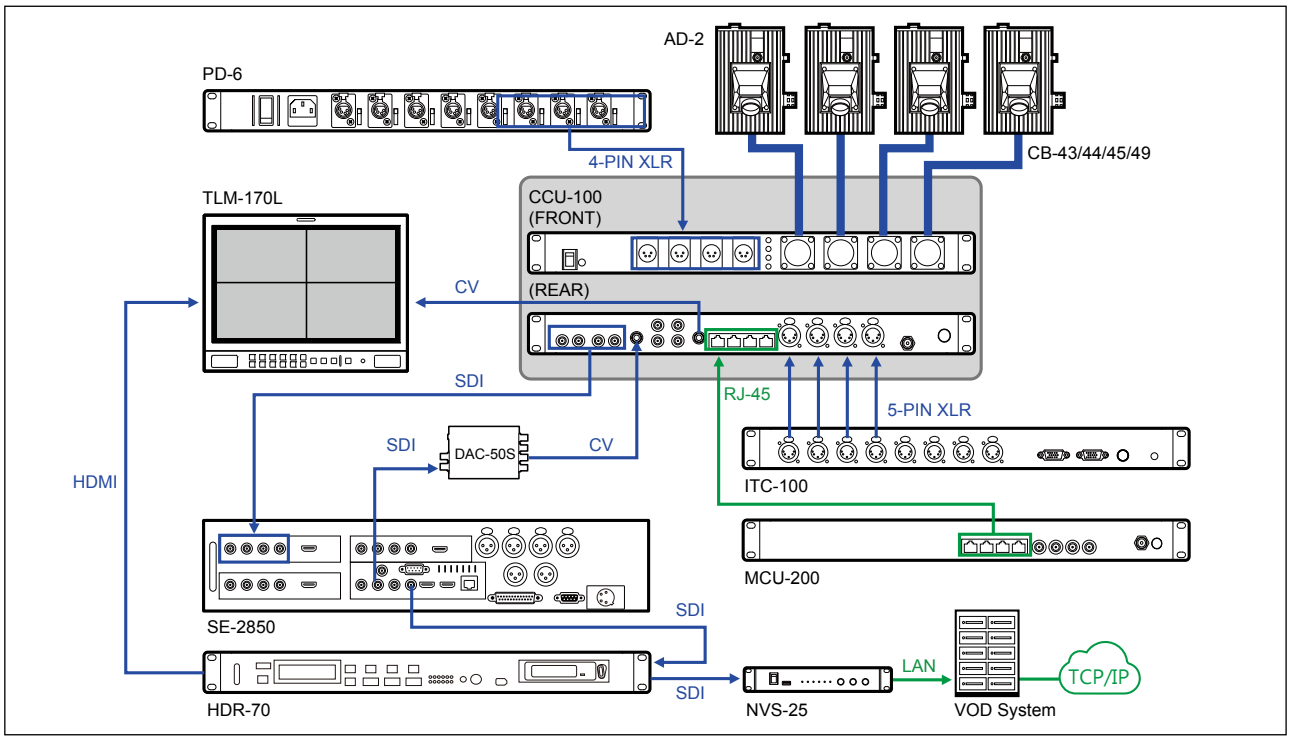
AD-2 is attached to the rear of the camera directly.
The multi-function CB cable plugs directly into the AD-2.

All-in-One cable is connected to the CCU-100 Four-Camera Control Center on the rack.

AD-2 can be connected to the camera using short cables without having to worry about tangled cabling.

Camera Control Unit
CCU-100

The CCU-100 camera control unit sends power, camera signal, camera control, intercom and lookback via a single cable.



Multi Transmission Adaptor
AD-2

The camera control system CCU-100, AD-2 and All-in-One cable provide a robust 30-100m all-in-one cable link between a professional camera and a digital video switcher system.
The system simultaneously transports digital SDI and analog signals as well as camera control, look back, camera data, tally and intercom call signals between the camera and switcher system.

All in One Cable for CCU-100

CR-43:30m
CR-44:50m
CR-45:80m
CR-49:100m

Datavideo CCU cables are available in 30m, 50m, 80m and 100m reel lengths.

Camera Control Systems

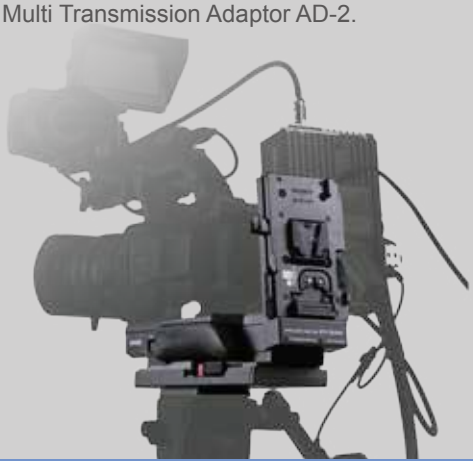
OBV-2850 is available in different configurations. One of these configurations includes CCU-100, our camera control system using our proprietary multi cable, transferring camera signal, intercom, lookback signal, tally and camera power. These cables are available up to 100 meters and eliminate the hassle of complex long cable connection.

All in one cable for CCU-100

AD-2 series			⟷	OBV-2850CCU				
Intercom System	Composite Look Back Video	SDI Video		**SE-2850** HD/SD 12-Channel Digital Video	**TLM-170LR** 17.3" HD/SD TFT LCD Monitor	**AD-200** Audio Delay Box with Level Adjustment	**MCU-200** Multi-camera Control Unit	**CCU-100** Camera Control Unit
Camera Control	Camera Power Supply	Viewfinder Video		**PD-6** Camera Power Center	**TLM-170LR** 17.3" HD/SD TFT LCD Monitor (Look Back Quad Split Multiviewer)	**HDR-70** HD/SD Digital Video Recorder	**VSM-100** Sampling Vector Scope Monitor	**PD-2A** AC Power Distributor

Sled SLD-1(optional)

With Datavideo's SLD-1, you can mount your camcorder and Datavideo's Multi Transmission Adaptor AD-2.



HD/SD 12-Channel Mobile Video Studio

MS-2850

Switcher System

Audio System

Monitor System

Signal Detection and Calibration

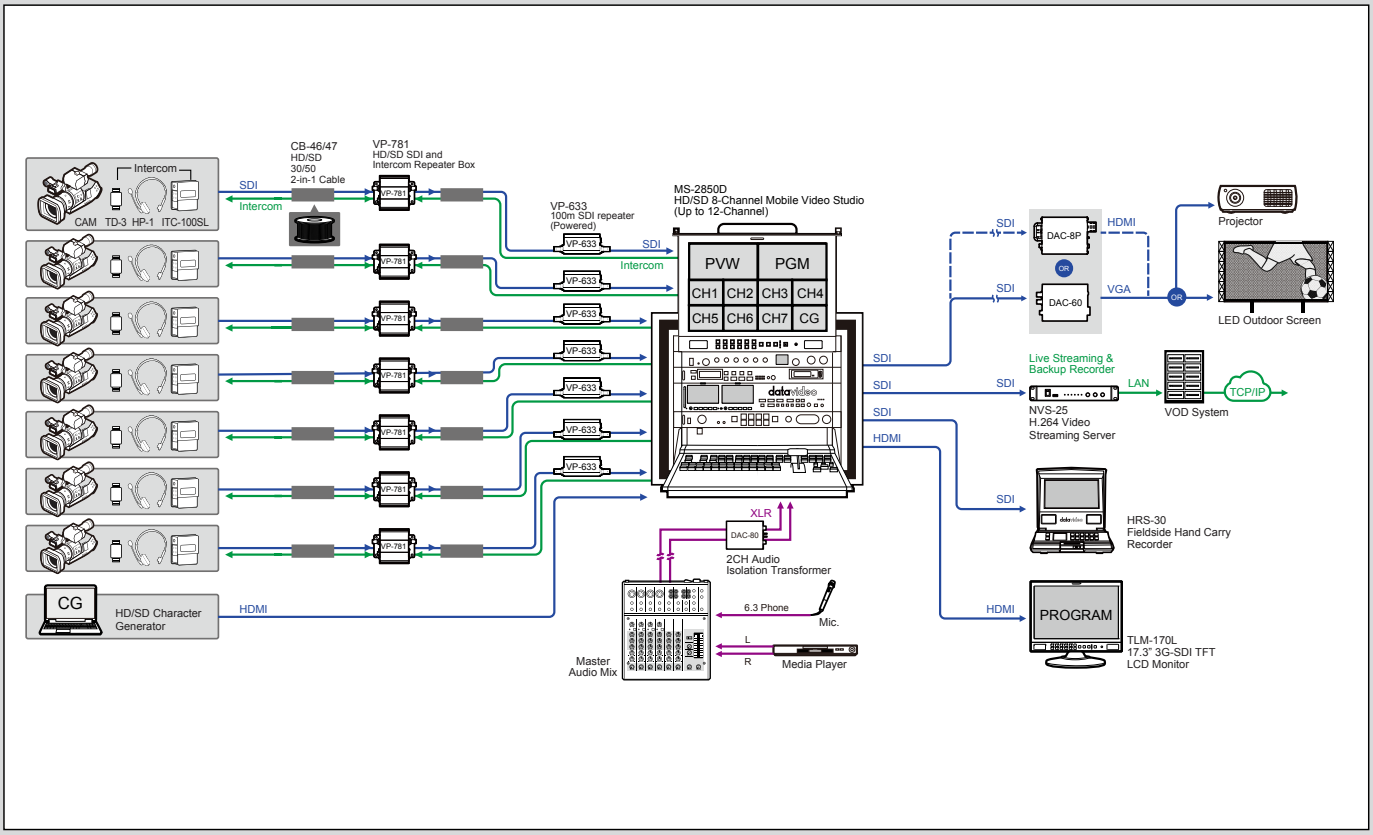
Intercom System

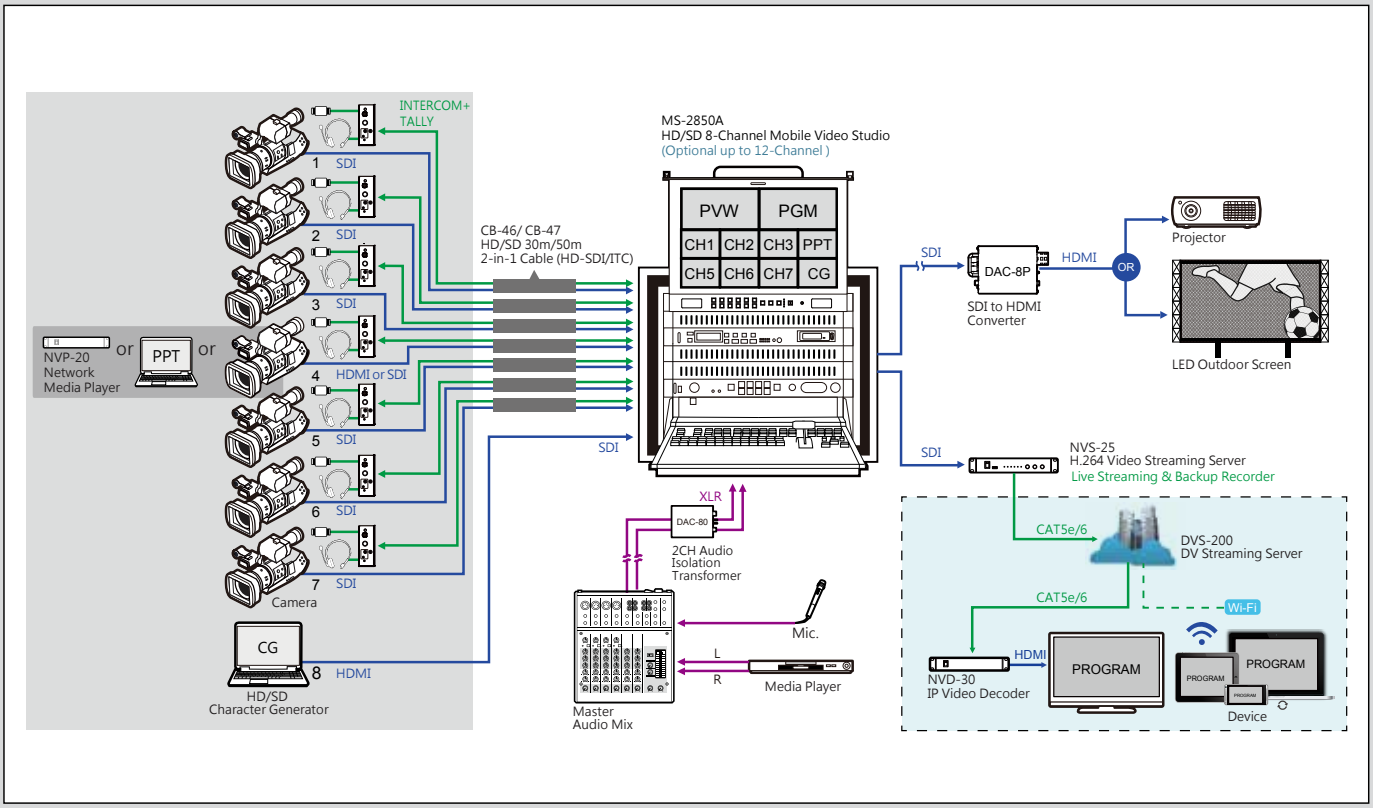
Recorder System

Power System

Mobile Multi-Camera Production Unit Workflow

please see website for different configurations





Datavideo MS-2850 HD/SD mobile video studio series is a ready to go solution. It is designed around the SE-2850 8-channel (upgradeable to 12 channels) broadcast- quality video switcher. It is perfect for outdoor events, conferences, education, places of worship and many more applications. Producing superb quality pictures with versatile input/output configurations, the SE- 2850 also has powerful, easy to use effects, such as dual picture in picture, downstream keyer (DSK) ,CG and logo insertion.

The switcher is integrated with the essential elements required for live production including a recorder, a multi-view monitor and an intercom system.

MS-2850 can be equipped with the Datavideo VSM-100 Sampling Vector Scope Monitor which allows you to accurately analyze and calibrate video signals to ensure consistent video color and luminance levels. For an overview on all configurations, please visit the Datavideo website.

All-in-one solution

The MS-2850 series includes intercom, recorder, monitor and power supply. This mobile video studio is ideal for productions that require mixing and switching a variety of video and audio sources.

Complete Power System Integration

An advanced control system means that the MS range is powered by a single plug. Finding multiple power sockets on location is now a thing of the past.

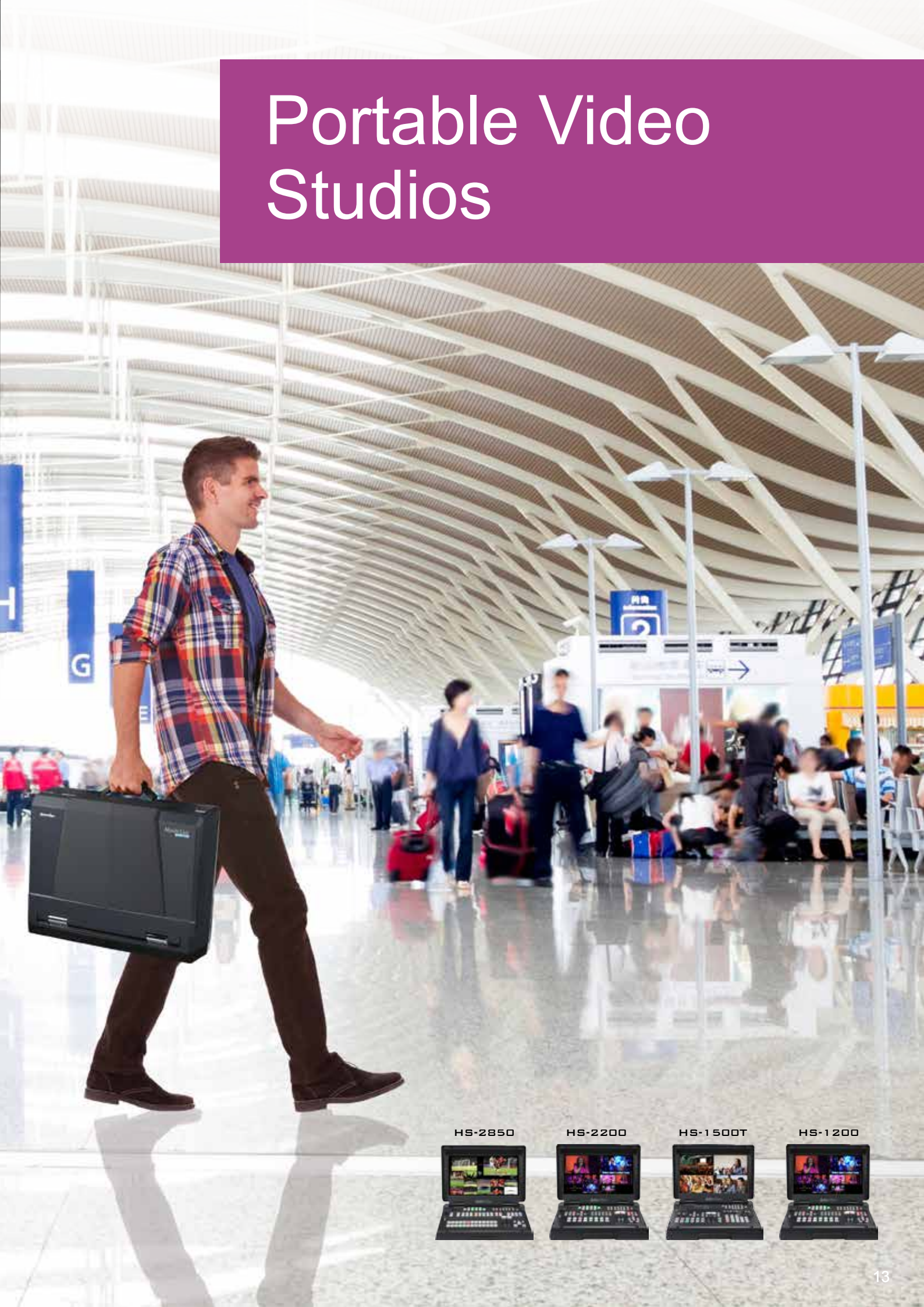
Switch up-to 12 Channels

Cost-effective television style production, whether you're recording an event or live streaming a concert.

Mobile OB Van

Install into a small van for a low-cost OB unit. It's also light enough to be transported in a family car, ready to be wheeled into action on arrival at the venue.

Portable Video Studios



HD/SD 12-Channel Portable Video Studio

HS-2850

HS-2850 Product Video

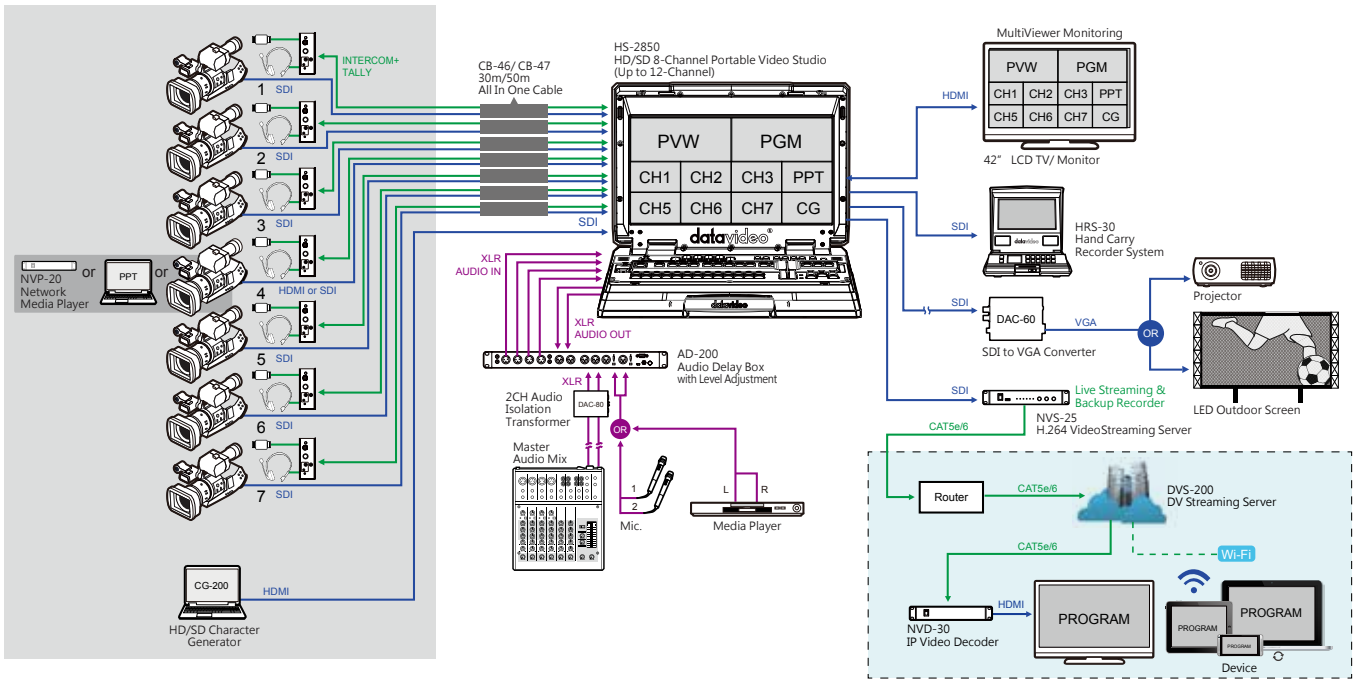
Re-defining mobile production

The HS-2850 is a cost-effective, 8-channel, HD hand carry switcher.It is designed for live events and TV programs that need to blend a variety of video and audiosources. HS-2850 is light-weight, portable, and powerful, with features perfect for use on location.

Advanced features include a 17.3-inch video monitor which displays multiple sources, as well as preview and program.

The system is equipped with an eight-way intercom system and is supplied with four belt packs for effective communication between the whole production crew.

The HS-2850 is ideal for TV and video professionals working in outside broadcast or temporary video studios, such as theatres or conference centres. The HS-2850 is also a great value solution for worship, education, and AV customers.



■ Video System

- Supports1080p inputs
- Standard 8 video input channels; expandable to 12 input channels with an optional board
- Supports 8 or 12 HD or SD Inputs in a variety of configurations:
  - HD Mode
    (1) 8 / 12 HD-SDI (2) 6 / 9 HD-SDI + 2 / 3 HDMI
  - SD Mode
    (1) 8 / 12 SD-SDI (2) 6 / 9 SDI + 2 / 3 HDMI
- Video output: 3 x SDI-PGM or configurable to PGM, PVW, PGM, and AUX with two channel down-converter to SD-SDI
- One channel for HDMI-Multiview output and can also be set to PGM-OUT
- Supports audio-embedded SDI input and XLR de-embedded port outputs XLR balance audio
- 4 x XLR analogue audio inputs and 2 x XLR analogue audio outputs
- Audio delay for each de-embedded audio source
- SMPTE/ EBU Audio selectable via OSD
- Black burst PAL or Tri-Level Sync Reference
- Supports GPI

■ Special Effects

- Built-in title overlay system (TC-200) that works with CG
- Dual PiP for news reporting and lecture recording
- Cut, Mix and Wipe with border
- XPT (Cross Point Assignment)
- Two channels of downstream key for applying subtitle and graphic effects; can also be set to Luma Key
- Two channel logo display with one channel for animated logo
- Audio-follow-Video switching for a synchronized audio-video switching during live news interview
- Three user defined HD/SD-SDI outputs

■ Intercom System

- Full-duplex system, which allows connection of external headset or microphone; high audio quality with low noise
- 8-way intercom with 4 belt-packs
- Bi-directional communication system and bi-color tally light indicators
- One-to-one or one-to-many communication mode
- Independent audio level adjustment on the main system and handsets

■ Monitor System

- Built-in 17.3 inch LCD screen, allowing the switcher to change the displayed video by switching between multiview, PGM and HDMI inputs
- Three screen color temperature settings: 6500K, 7500K and 9300K
- In multiview mode, the inputs and the PVW are equipped with dual track audio volume indicator and PGM is equipped with quad track audio volume indicator displayed on the screen
- PGM may be displayed in 4:3 or 16:9 mode when connected to an external HDMI display with the display of internal amplifier, audio volume, monitor video and monitor audio
- 17" HD monitor (1600x900)with a resolution of 1600x900 dots

HD 6-Channel Portable Video Studio

HS-2200

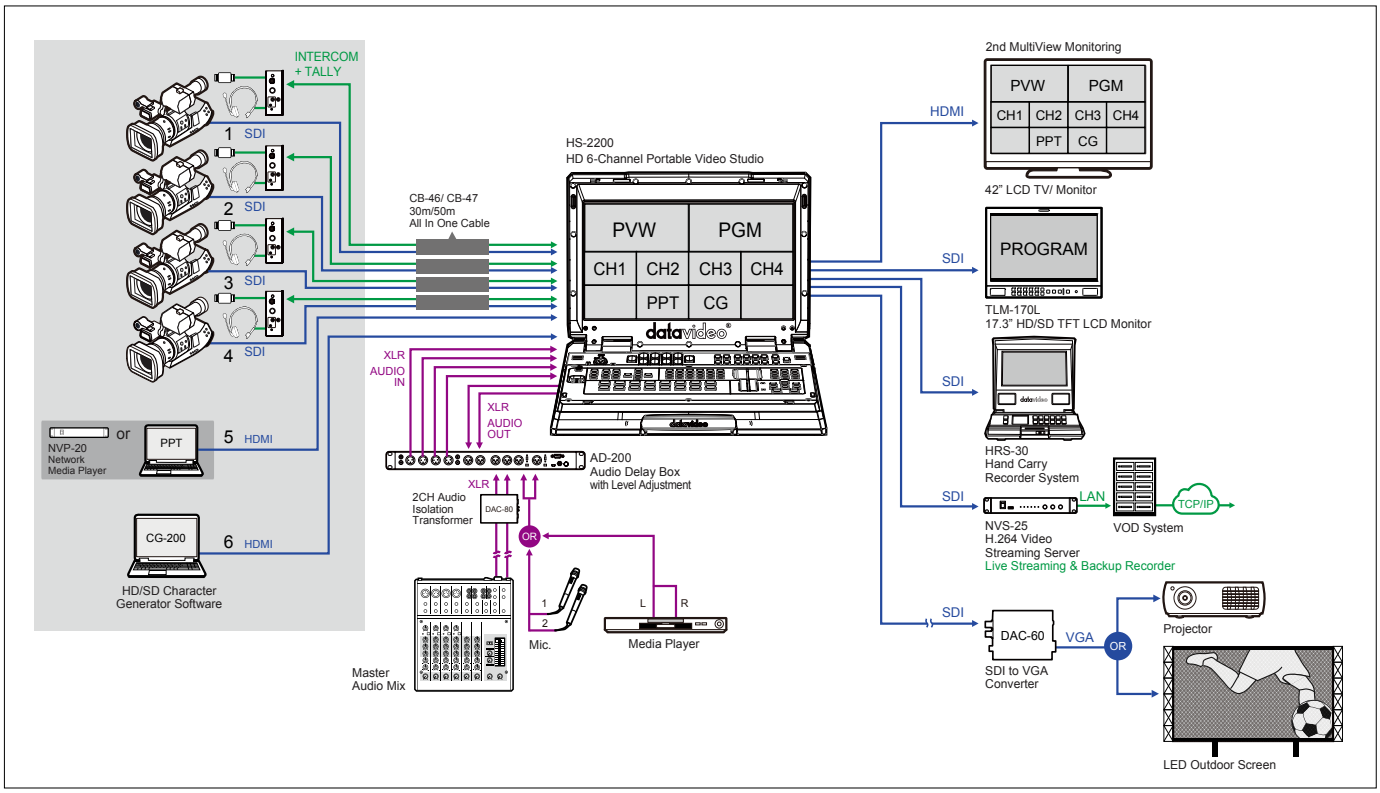
HS-2200 Product Video

The first portable switcher with built-in CG!

HS-2200 is the flexible and versatile hand carry version of Datavideo SE-2200 switcher. With a 17.3” built-in monitor and 8 channel talkback/tally system, the whole studio is packed into a durable case. HS-2200 is a convenient and powerful, portable video studio for use in the most extreme environments, and even runs on an optional external battery.

This production system integrates all the key components for live TV, video and AV programs. This includes source switching, visual or video mixing, crew comms, tally lights and the ability to feed live graphics and titles from any HDMI-enabled laptop.

Small, portable and rugged, it's a design that's very well thought out for mobile production applications.



■ Video System

- 8 video inputs, select 6 at one time
- Video inputs of HD/SD System: 6xHD-SDI, 4xHD-SDI and 2xHD-HDMI
- Video outputs: 5xSDI assignable AUX 1-4, PGM, PVW or Clean PGM
- 2 key signals for setting DSK or Luma Key to create subtitle effects
- 2 PIP signals for setting the position and size of picture in picture
- Transition effects: CUT, WIPE and MIX with configurable transition countdown
- Built-in CG function paired with CG-200 Character Generator software; connect notebook computer to HS-2200 via HDMI interface (Optional CG-250 for more functions)

■ Audio System

- Built-in SDI audio de-embedding function; can be configured to de-embed from different switchable video inputs or de-embed from a single video channel
- 2 XLR terminals for audio output of audio de-embedded from video
- 4 XLR output terminals for connecting four external audio channels embedded into SDI video channel

■ Intercom System

- Full-duplex system, which allows connection of external headset or microphone; high audio quality with low noise
- 8-way intercom with 4 belt-packs
- Bidirectional communication system and bi-color tally light indicators
- One-to-one or one-to-many communication mode
- Independent audio level adjustment on the main system and handsets

■ Monitor System

- One 17.3-inch with a resolution of 1600x900 dots
- Screen has a built-in gray scale display for detecting external noise and provide video calibration
- In different environments, color temperature can be configured to 6500K, 7500K, 9300K or custom
- 16:9 or 4:3 display adjustable for camera shooting
- Editing or CG can be configured to 80% or 90% safe frame

HD/SD 4-Channel HDBaseT Portable Video Studio

HS-1500T

HS-1500T Product Video

The world's first portable HDBaseT switcher

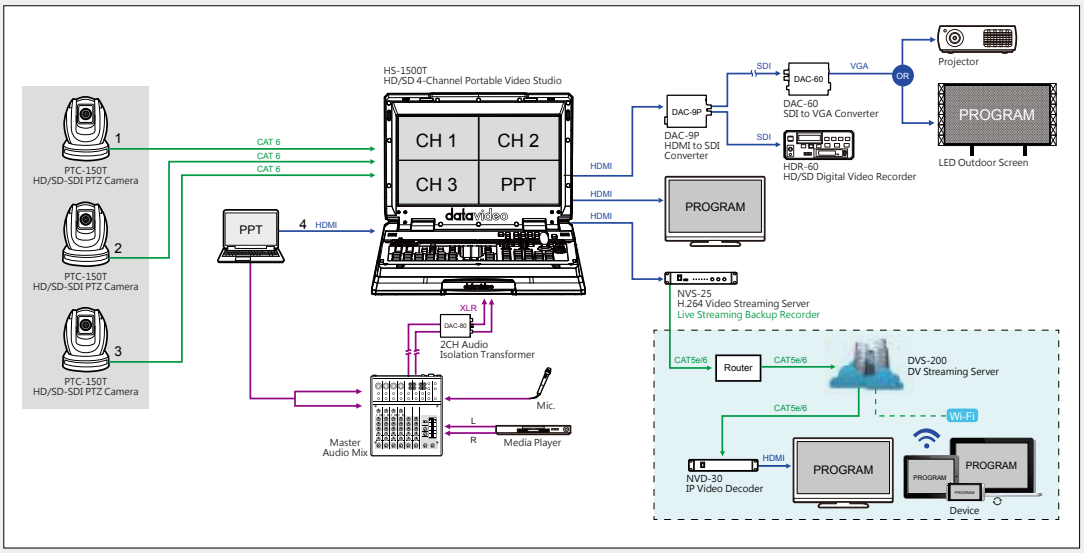
With HDBaseT, users can connect three cameras to HS-1500T to begin work within minutes. One Cat 6 cable is all you need to power and control Datavideo PTC-150T PTZ cameras. The single Ethernet CAT 6 cable even delivers HD video, camera control, power and tally signals, saving you valuable installation time and dramatically reducing your cable costs.
The HS-1500T is a highly effective solution for the worship, education, and AV markets. Utilizing HDBaseT technology, it allows single cable connection for power, control and full resolution video back to the switcher, making setting up and breakdown of a production quick and easy.
The HS-1500T features an audio mixer with balanced XLR inputs and unbalanced RCA audio inputs. Other features include PIP, wipe generator, and tally. One of the best features of the HS-1500T is the integrated joystick, which allows the user to pan, tilt, and zoom the PTC-150T, without the need for a dedicated PTZ controller. In addition, users can adjust the PTC-150T's focus, iris, and other settings remotely using the HS-1500T.

- Supports 1080P
- Built-in HDBaseT technology to control up to three PTC-150T's directly through a single CAT-6 cable. All three cameras are powered by CAT-6 or CAT-6A (POE) .
- Camera control joystick
- 4 video inputs (RJ-45 x 3 + HDMI x 1)
- 3 video outputs (HDMI x 3)
- Audio inputs: XLR Analogue x 2 + RCA Analogue (L/R) x 2
- Flexible Mix/Effects : PIP, WIPE, Mix, Fade
- Tally Output
- 17" HD monitor (1920x1080)

HDMI
Tally Light
Power over Ethernet
Remote Control
DVIP/VISCA Control Protocol

HDBT

CAT-6 up to 100 meters



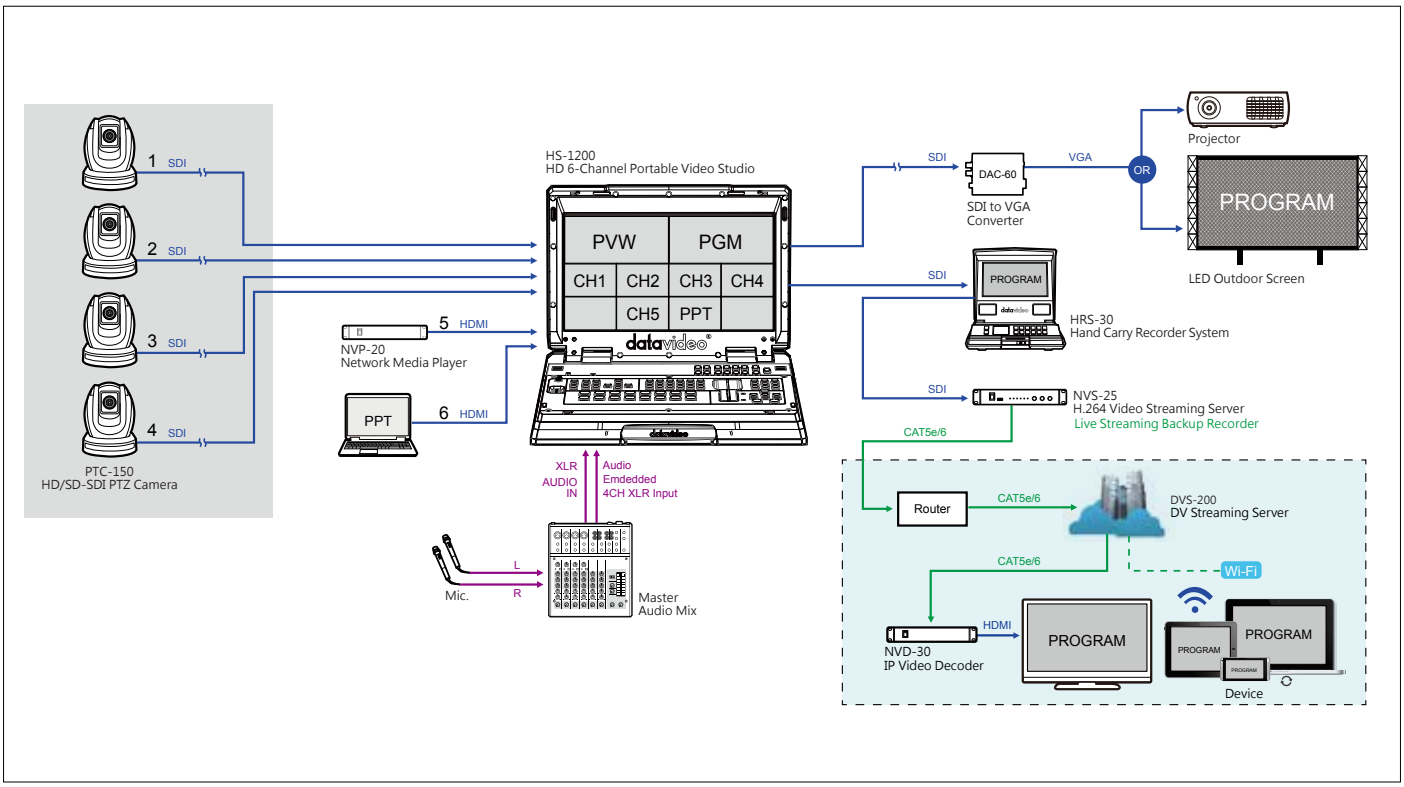
HD 6-Channel Portable Video Studio

HS-1200

Portable switcher with dual channel chromakeyer

HS-1200 is an integrated hand carry production studio based on the Datavideo SE-1200 switcher. With a 17.3" built-in monitor and 6 channel HD vision mixer packed into a durable case, HS-1200 is a convenient and powerful portable video studio for use in any environment. It features a superb chromakey tool to add a whole new level of creativity to your production.

HS-1200 is designed for live events and TV programs that need to mix a variety of video and audio sources. It supports SDI and HDMI workflows and delivers high quality HD output.



■ Video System

- Video inputs: 6 (SDI x 4 + HDMI x 2)
- Video output: 3 (SDI x 2 + HDMI x 1)
- 2 up stream Keyers: Chromakey & Linear/ Luma Key
- 2 down stream Keyers: Linear & Luma Key
- 1 PIP (assignable to any of the 4 keyers)
- Transition effects: 32 Wipe Patterns, Cut and Mix
- Frame Store (Stills Store) from any Input (1-6)
- Assignable Outputs
- XPT (Cross Point Assignment)

■ Audio System

- 2 x XLR Analogue Audio Inputs
- Audio Indicator on MultiView

■ Monitor System

- 17.3-inch 1600x900 resolution monitor
- Color temperature can be configured to 6500K, 7500K, and 9300K or custom setting
- Adjustable 16:9 or 4:3 display
- CG can be configured to 80% or 90% safe frame

Model	HS-2850	HS-2200
Product name	HD/SD 12-Channel Portable Video Studio	HD/SD 6-Channel Portable Video Studio
Video Standard	HD & SD	HD & SD
Video Format	3G/HD/SD input : 1080i 50/59.94/60Hz 1080p 25/30/59.94/60Hz HD Output :1080i 50/59.94/60Hz SD: 576i 50Hz, 480i 59.94Hz	1080i 50/59.94/60Hz 720p 50/59.94/60 Hz 576i 50Hz, 480i 59.94Hz
Input Routable / Crosspoint	All 12, repeatable	All 6, repeatable
Video Input	Standard: 8x SDI, 2x HDMI, Max: 12x SDI, 3x HDMI	6x HD-SDI, 2x HDMI (on CH5 & 6)
Computer Graphic Interface	Max 3 via HDMI	2 via HDMI
Down-converted output	2x SDI	N/A
Video output	3x SDI assignable: PGM, PVW, AUX & Clean Out 1x HDMI assignable: PGM & multi-view	5x SDI Outputs assignable: AUX 1-4, PGM, PVW, PGM Clean or multi-view 1x HDMI assignable: PGM or multi-view
Audio input	4x Balanced XLR	4x Balanced XLR
Audio output	2x Balanced XLR	2x Balanced XLR
Embedded audio support	Input up to 16 channels, Output 4 channels	Input up to 16 channels, Output 4 channels
Audio Delay Calibration	Up to 8 frames	N/A
A+V switching	Yes	Yes
USK	N/A	N/A
DSK	2x DSK support Lumakey & Linear key (Key / Fill)	1x DSK support Lumakey & Linear key (Key / Fill)
Picture in Picture	2	2
Logo Insertion	2 (or 1 logo + 1 clock)	2 (or 1 logo + 1 clock)
Built-in Audio Mixer	N/A	N/A
Built-in Monitor Display	17.3” HD TFT LED back-lit, 1600x900 pix	17.3” HD TFT LED back-lit, 1600x900 pix
Built-in Intercom & Tally	8 channels (4 belt-packs incl.)	8 channels (4 belt-packs incl.)
Dimension (LxWxH)	455 x 355 x 134 mm	455 x 355 x 134 mm
Weight	18.7 Lbs (8.5 Kg), Reinforce Plastic Case	16.5 Lbs (7.5 Kg), Reinforce Plastic Case
Accessory	CB- 22H/23H/46/47	

Model	HS-1500T	HS-1200
Product name	HD/SD 4-Channel HDBaseT Portable Video Studio	HD 6-Channel Portable Video Studio
Video Standard	HD & SD	HD
Video Format	1080p 50/59.94/60Hz , 1080i 50/59.94/60Hz 720p 50/59.94/60Hz , 576i 50Hz , 480i 59.94Hz	1080i 50/59.94/60Hz 720p 50/59.94/60Hz
Input Routable / Crosspoint	N/A	All 6, repeatable
Video Input	3 x HDBaseT , 1 x HDMI	4x HD-SDI , 2x HDMI
Computer Graphic Interface	1 via HDMI	2 via HDMI
Down-converted output	Yes	N/A
Video output	3x HDMI PGM	1x HDMI + 2x SDI assignable: AUX 1-6, PGM, PVW, PGM Clean or multi-view
Audio input	2x Balanced XLR , 1x Stereo RCA (L/R) , De-embedded Digital Audio	2x Balanced XLR
Audio output	1x Stereo headphone	1x Stereo headphone
Embedded audio support	2 ch Audio embedded	2 ch Audio embedded
Audio Delay Calibration	N/A	N/A
A+V switching	N/A	N/A
USK	1x USK	2x USK support Chromakey
DSK	N/A	2x DSK support Lumakey & Linear key (Key / Fill)
Picture in Picture	1	1
Logo Insertion	N/A	N/A
Built-in Audio Mixer	Yes	selectable audio follow video master gain control
Built-in Monitor Display	17.3” HD TFT LED backlit, 1920x1080 pix	17.3” HD TFT LED backlit, 1600x900 pix
Built-in Intercom & Tally	N/A	N/A
Dimension (LxWxH)	455 x 355 x 134 mm	455 x 355 x 134 mm
Weight	15.4 Lbs (7 Kg), Reinforce Plastic Case	15.4 Lbs (7 Kg), Reinforce Plastic Case
Accessory	CB-60/ 61/ 62	CB-22H/23H/46/47

Digital Video Switchers

HD/SD 12-Channel Digital Video Switcher

SE-2850

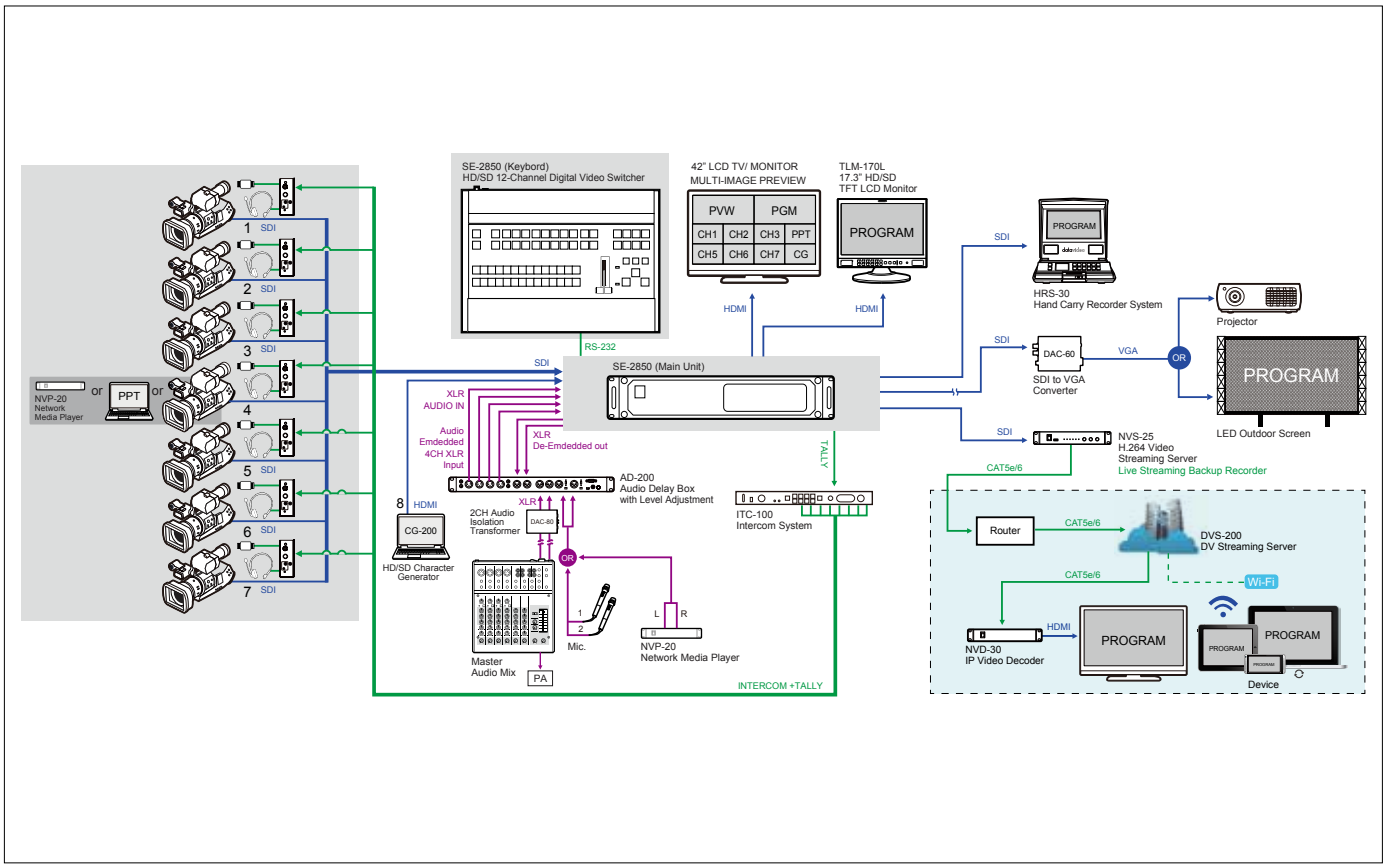
SE-2850 Product Video

Improved 8-12 channel HD/SD switcher!

The SE-2850 is equipped with 12 input channels (standard: 8 channels; optional: 12 channels) and is compatible with HD or SD production. The two-piece design allows easy system integration into standard equipment racks.

The SE-2850 is a cost-effective switcher system for use in live events, sub-control rooms or outdoor broadcast vans. SE-2850 is equipped with 3G-SDI and HDMI inputs and two HDMI outputs, which allow four types of multiview modes. The operator can customize their own output configuration. There is an audio volume indicator displayed on each input screen for the operator to monitor video and audio at the same time.

SE-2850 has a built-in TC-200 CG interface, which supports any Datavideo CG system by a laptop computer into one of the HDMI inputs.



- 8 or 12 video inputs (3G/HD/SD-SDI, HDMI)
- 4 assignable SDI outputs + 2 assignable HDMI outputs
- Video Input :
  - 3G/HD/SD input :
    - 1080i 50/59.94/60Hz
    - 1080p 25/30/59.94/60Hz
  - HD Output :1080i 50/59.94/60Hz
  - SD: 576i 50Hz, 480i 59.94Hz
- Built-in Datavideo TC-200 CG interface, supports CG system by a laptop computer
- Flexible Mix/Effects Processor with:
  - Dual PIP effect
  - 2 DSK : Alpha channel & Luma Key Modes
- Logo: 2 independent Logos and 1 dynamic logo or moving image sequence.
- XPT (Cross Point Assignment)
- Frame store (Stills Store): Each input channel
- Real-time clock and count down on multiview screen
- Up to 8 frames audio delay for each de-embedded audio from input source
- 4 x XLR balance Audio input (Line level), 4-CH embedded SDI Audio output
- Audio indicator display on multiview screen
- Support Audio cross point (Audio XPT) or Audio-follow-Video mode (A+V)
- Selectable SMPTE/ EBU Audio via OSD Menu
- 2 GPI mode: Level /Pulse trigger selectable
- RS-422/RS-232 remote control interface
- Tally output
- Separate control panel and processor unit for flexible installation
- External Sync/Genlock: Black Burst & Tri-level

HD/SD 6-Channel Digital Video Switcher

SE-2200

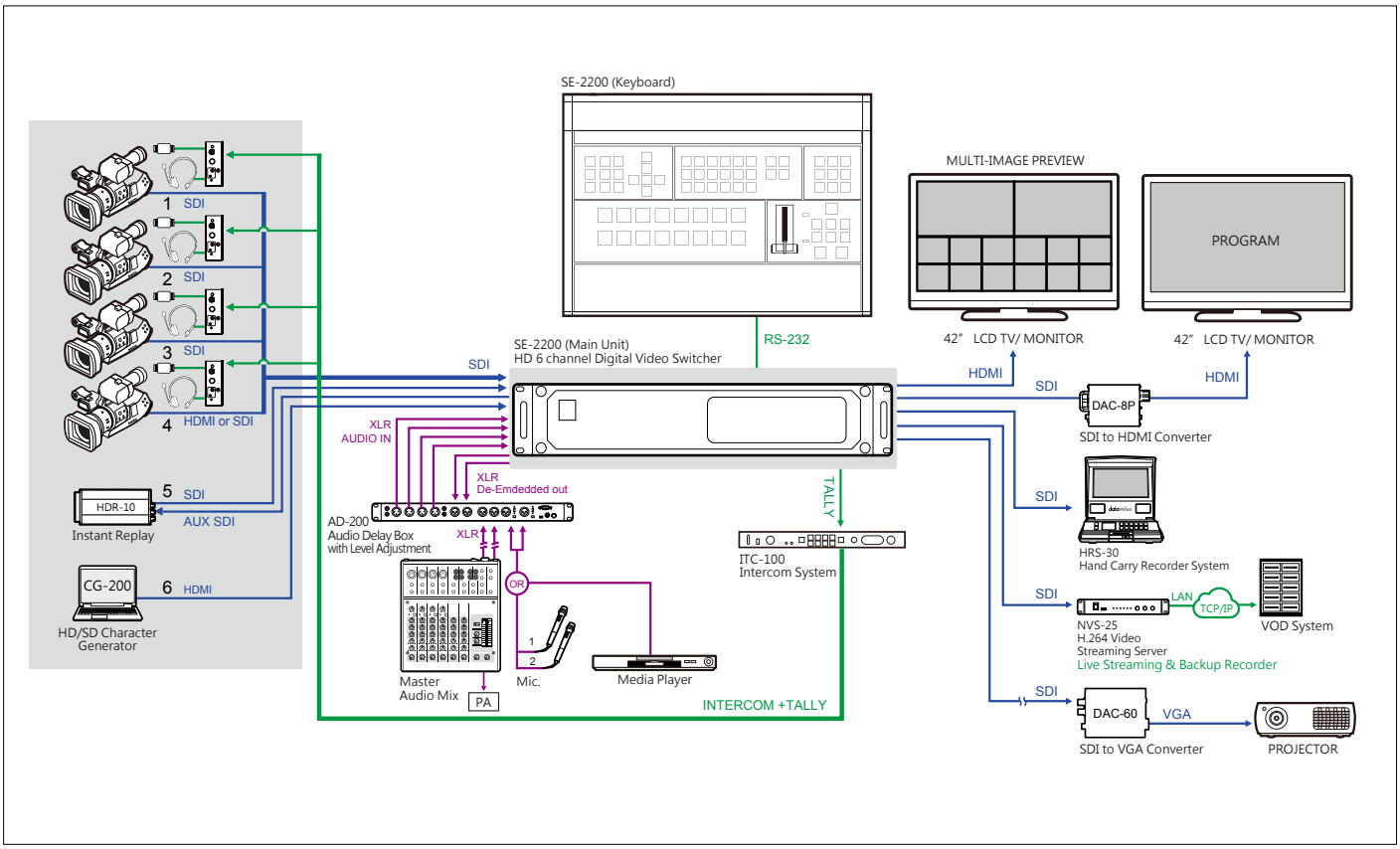
SE-2200 Product Video

HD/SD switcher with effortless graphic overlay!

There are more and more peripheral devices to be integrated into the production system. Even the switcher equipment used in small-scale productions require multiple input and output ports and should be able to accept various input signal formats.

The SE-2200 is a video switcher designed specifically for small-scale events, lecture recordings, and studio applications, equipped with 6 HD/SD input ports with two configurable HDMI ports to allow connection to computers.

The built-in Datavideo TC-200 CG interface, supports CG system by a laptop computer into one of the HDMI inputs.



- 6 video inputs (SDI x 6 or SDI x 4 + HDMI x 2)
- 6 assignable SDI outputs + 2 HDMI outputs
- Built-in Datavideo TC-200 CG interface, supports CG system by a laptop computer
- Flexible Mix/Effects Processor with:
  - 1 DSK : Luma Key
  - 2 PIP
  - 17 Wipe and Fade; a total of 18 transition modes
  - Wipe, Mix & Cut Transitions
- Allows SDI-Embedded input; internal de-embedding of audio from video and output via XLR port
- Four external audio input ports, embed audio into SDI to achieve a four-audio-track output
- RS-422/RS-232 remote control interface
- Tally output
- Separate control panel and processor unit for flexible installation

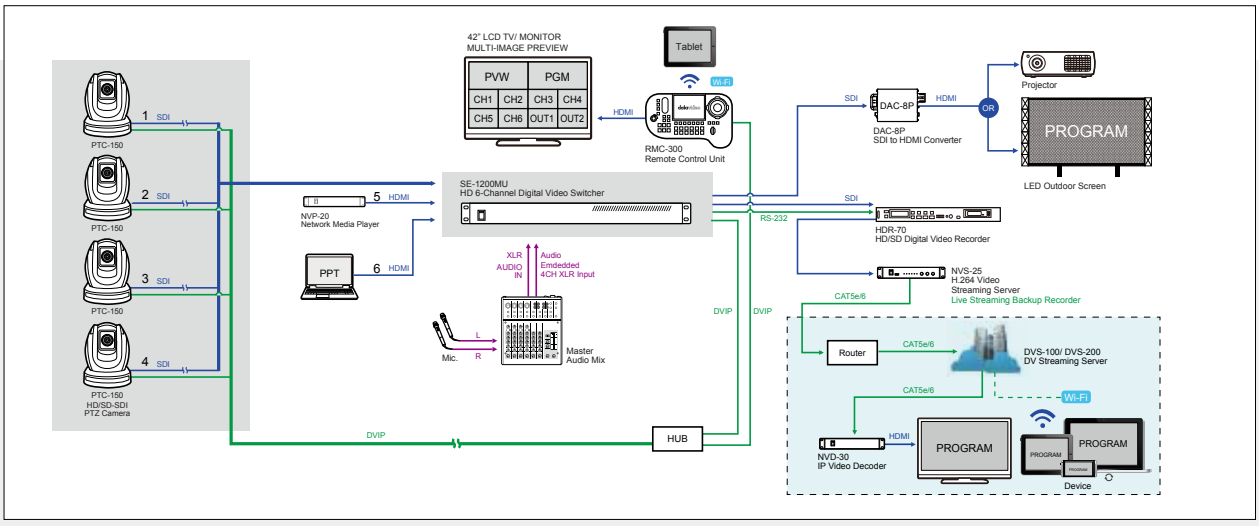
HD 6-Channel Digital Video Switcher

SE-1200MU

SE-1200MU+RMC-300

SE-1200 Product Video

A professional and complete production controller with Datavideo Switcher APP.



Video Switcher with Remote Control

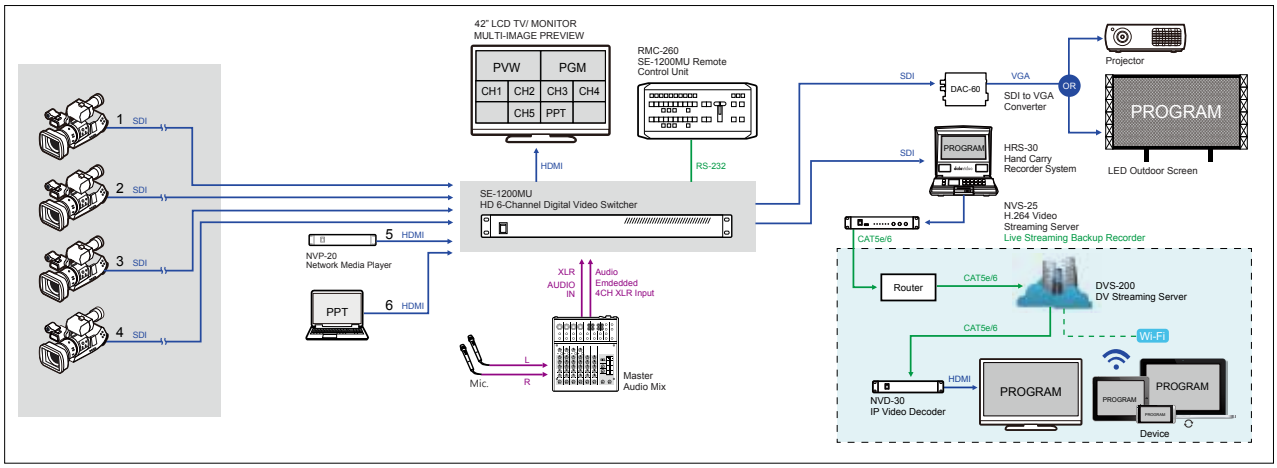
SE-1200MU is a small, portable computer controlled 1RU rack mountable switcher. It features 6-channel HD video inputs and is incredibly reliable, unlike PC-based systems that are prone to crashing mid production. SE-1200MU streams out multi-view video in real-time to a PC for monitoring and controlling remotely. It is designed to be fully controlled from any Windows Laptop / PC and Android tablet / iPad / Mac with the included SE-1200 software or via an optional hardware control panel like RMC-260 and RMC-300. The system includes two assignable SDI and two HDMI outputs for connecting an HD recorder, monitor and a streaming encoder, plus two balanced XLR audio inputs for connecting an external audio mixers.

The RMC- 260 and RMC-300 hardware controller are designed specially for controlling the SE-1200MU. The RS-232 and DVIP/Ethernet interface allows direct plug- and-play connection between switcher and controller.

SE-1200MU Remote Controller

RMC-260

A easy-to-use production controller for Datavideo switcher



SE-1200MU Key Functions

- 6 video inputs (SDI x 4 + HDMI x 2)
- 2 assignable SDI outputs + 2 HDMI assignable outputs
- Flexible Mix/Effects Processor with:
  - 2 Chromakey
  - 2 DSK, supporting Linear & Luma Key Modes
  - 1 PIP : assignable to any of the 4 keys
  - Wipe Generator: 32 Wipe Patterns
  - Stinger transition
  - Wipe, Mix & Cut Transitions
  - Full M/E Preview function
- Frame store (Stills Store): 1000+ images stored on SD Card
- XPT (Cross Point Assignment)
- PC, Mac & Tablet control
- Remote streaming of multiview out using built-in Motion JPEG Streaming processor
- Tally output
- GPI output
- 1U rack mount
- Multi-language

RMC-260 Key Functions

- A switcher style keyboard for SE-1200MU operation
- Support keyers enable and function assignment quickly
- Save user behavior to user memory keys and load them quickly
- XPT (Cross Point Assignment)
- Take button to switch between PVW and PGM views
- FTB button fades the PGM view to a black screen
- Still Grab function captures the instantaneous video image
- RS-232 interface for communication between RMC- 260 and SE-1200MU

RMC-300 Key Functions

- HDMI output for multiviewer
- Support keyers enable and function assignment quickly
- Save user behavior to user memory keys and load them quickly
- XPT (Cross Point Assignment)
- Take button to switch between PVW and PGM views
- FTB button fades the PGM view to a black screen
- Control via DVIP/Ethernet
- Setups via tablet
- USB interface for tablet power charge
- Ethernet interface for communication between RMC-300 and SE-1200MU

HD 4-Channel Digital Video Switcher

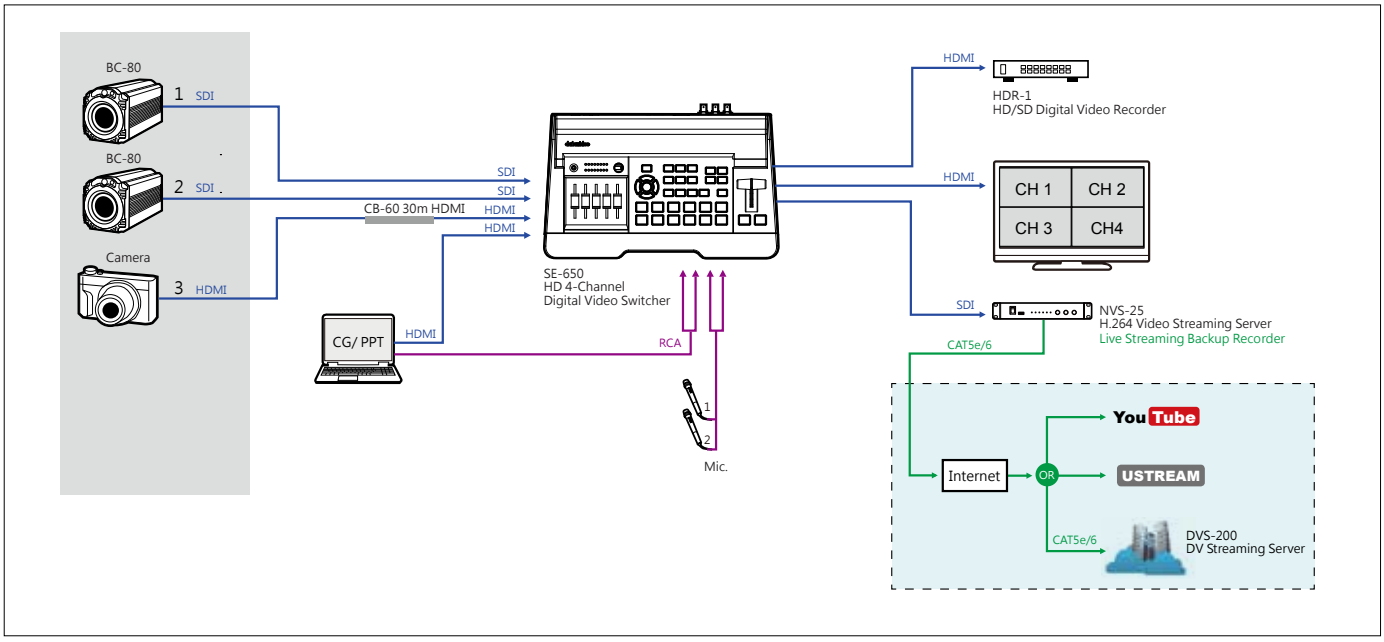
SE-650

SE-650 Product Video

Complete and compact HD switcher with built-in audio mixer

The Datavideo SE-650 is a small, cost-effective, professional HD digital video switcher. It offers two HD-SDI and two HDMI inputs and supports video formats up-to 1080i. It features two HDMI outputs and a user assignable HD-SDI output. The SE-650 is the perfect device for small scale video production using professional cameras and HDMI equipment.

The SE-650 also features audio mixer with microphone and unbalanced RCA audio inputs, and advanced tools including Chromakey, Luma key, PiP, wipe generator, still store and tally.



- 4 video input : HD-SDI x 2 + HDMI x 2
- 3 video output : HD-SDI x 1 + HDMI x 2
- Any Input can be used as a Frame store (Stills Store)
- Assignable Outputs
  -Program (w/ DSK)
  -Clean Program (w/o DSK)
  -Clean Preview (w/o DSK)
  -Multiview
- Frame Sync on each input
- Flexible Mix/Effects Processor with
- 1 Upstream Keyer, supporting Chromakey & Linear/ Luma Key
- 1 Upstream PIP, supporting Chromakey & Luma Key
- Full M/E Preview function
- Wipe Generator: 32 Wipe Patterns, including Circle & Heart - Borders & Softness Control
- Logo insertion (X/Y size)
- XPT (Cross Point Assignment)
- Tally Output
- 6 Channel Audio Mixer
- Audio input : RCA Analogue (L/R) x 2 + Microphone x 2
- Audio output : RCA Analogue (L/R) x 2 + Stereo head-phone mini Jack x 1
- Audio em-bedded function
- 4:2:2 10 bit
- 50 Virtual set backgrounds included
- 500 Frame Store
- Audio follow video
- Multi-language
- Stinger transition

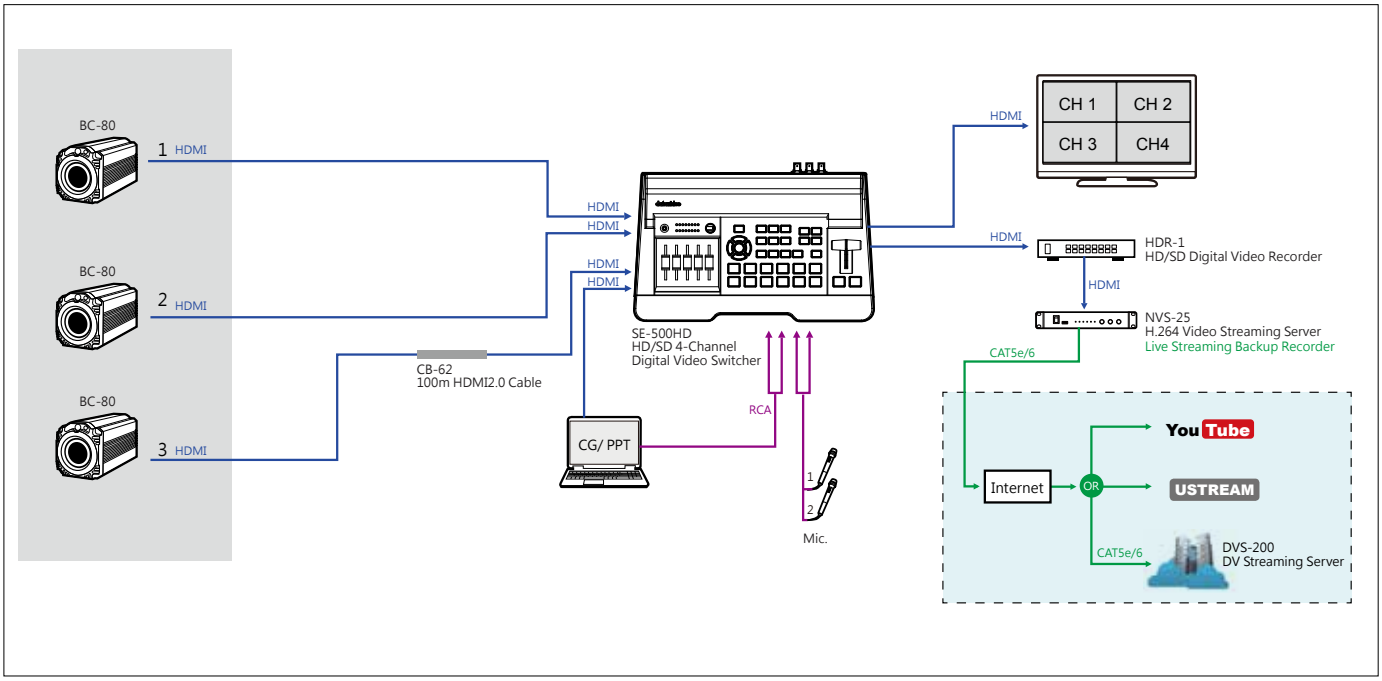
HD/SD 4-Channel Digital Video Switcher

SE-500HD

Cost-effective HDMI Switching for Smaller Productions

The Datavideo SE-500HD is a simple to use, but powerful video switcher. It offers 4 HDMI inputs and 2 HDMI outputs. It supports video formats up to 1080P. The SE-500HD is the perfect solution for smaller productions using HDMI cameras and other HDMI equipment.

The SE-500HD features an audio mixer with microphone and unbalanced RCA audio inputs, with RCA audio outputs. Other features include PiP, wipe generator and tally.



- Support FHD 1080P
- 4 video input : HDMI x 4
- 2 video output: HDMI x 2
- Frame Sync on each input
- PIP (Picture-in-Picture)
- Flexible Mix/Effects Processor with:
  Wipe, Mix & Cut Transitions
- Full M/E Preview function
- Tally Output
- 4 Channel Audio Mixer
- Audio input :
  RCA Stereo x 1 + Microphone x 2
- Audio output :
  RCA Stereo x 1 + Stereo head- phone mini Jack x 1
- Audio em-bedded function

Model	SE-2850	SE-2200	SE-1200MU
Video Standard	HD & SD	HD & SD	HD
Video Format	3G/HD/SD input : 1080i 50/59.94/60Hz 1080p 25/30/59.94/60Hz HD Output :1080i 50/59.94/60Hz SD: 576i 50Hz, 480i 59.94Hz	1080i 50/59.94/60Hz 720p 50/59.94/60 Hz 576i 50Hz, 480i 59.94Hz	1080i 50/59.94/60Hz 720p 50/59.94/60Hz
Video Processing	SDI: 4:2:2 HDMI: YUV 4:2:2 10 bit, RGB 4:4:4	SDI: 4:2:2 HDMI: YUV 4:2:2 10 bit, RGB 4:4:4	SDI: 4:2:2 HDMI: YUV 4:2:2 10 bit, RGB 4:4:4
Input Routable / Crosspoint	All 12, repeatable	All 6, repeatable	All 6, repeatable
Video Input	Standard: 8x SDI, 2x HDMI, Max: 12x SDI, 3x HDMI, 12	6x HD-SDI, 2x HDMI (on CH5 & 6)	4x HD-SDI 2x HDMI (RGB/ YUV/1080i/1080p/720p)
Mix HD & SD source	Yes	N/A	N/A
Computer Graphic Interface	Max 3 via HDMI	2 via HDMI	2 via HDMI
Video output	4x SDI assignable: PGM, PVW, AUX1-3 & Clean Out 2x HDMI assignable: PGM & multi-view	6x SDI Outputs assignable: AUX 1-4, PGM, PVW, PGM Clean & multi-view 2x HDMI assignable: PGM & multi-view	2x HD-SDI & 2x HDMI assignable: PGM(w/DSK 1&2), PGM(w/DSK 1),PGM Clean, PVW(w/o DSK), multi-view, Input 1-6
Down-converted output	Yes, 4x SDI (CH1 & CH4)	N/A	N/A
Built-in Multi-view monitoring out	2x HDMI	2x HDMI	HDMI & Ethernet (MJPEG)
Audio input	4x Balanced XLR	4x Balanced XLR	2x Balanced XLR
Audio output	2x Balanced XLR	2x Balanced XLR	N/A
Embedded audio support	Input up to 16 channels, Output 4 channels	Input up to 16 channels, Output 4 channels	embedded 2-CH audio output from XLR input
Audio Delay Calibration	Up to 8 frames (* SDI input audio only)	N/A	N/A
A+V switching	Yes	Yes	N/A
Chromakey	N/A	N/A	2 Keyers
Title Creator	Yes	Yes	N/A
USK	N/A	N/A	2x USK support Chroma Key & Linear/ Luma Key
DSK	2x DSK support Lumakey & Linear key (Key/ Fill)	1x DSK support Lumakey & Linear key (Key / Fill)	2x DSK support Lumakey & Linear key (Key / Fill)
Picture in Picture	2	2	1
Logo Insertion	2 (or 1 logo + 1 clock)	2 (or 1 logo + 1 clock)	N/A
Still Store	12	6	1000+
Effects	FTB, Cut, 8 Wipe with border	FTB, Cut, 8 Wipe with border	FTB, Cut, 32 Wipe with border
Transition on Preview	PiP & DSK	PiP & DSK	Full transitions preview
Sync / Reference In/Out	Built-in Genlock . Support external sync with loop thru	Built-in Genlock (internal)	Built-in Genlock (internal)
Tally Output	1x D-sub 25pin, dual color	1x D-sub 25pin, dual color	1x D-sub 15pin, dual color
PC Remote Control	Via Ethernet or RS-422	Via Ethernet or RS-422 / RS-232	Via Ethernet or RS-232
Built-in Audio Mixer	N/A	N/A	N/A
Special Features	2-CH SD downconvert output Built in TC-200 CG system SelectableSMPTE/ EBUAudiolevel	6x 6 Matrix seamless switch, BuiltinTC-200CGinterface	Motion JPEG Multi-view streaming (120 memory preset, BGD Transition on/off option) Stinger transition
Chassis	2 units, rack-mount mainframe	2 units, rack-mount mainframe	2 units, rack-mount mainframe
Power	DC 12V 48W	DC 12V 32W	DC 12V 30W
Accessory	CB-46/ 47 (30/ 50m)		

Model	SE-650	SE-500HD
Video Standard	HD	HD & SD
Video Format	1080i 50/59.94/60Hz 720p 50/59.94/60Hz	1080p 50/59.94/60Hz 1080i 50/59.94/60Hz 720p 50/59.94/60Hz 576i 50Hz 480i 59.94Hz
Video Processing	SDI: 4:2:2 HDMI: YUV 4:2:2 10 bit, RGB 4:4:4	HDMI: YUV 4:4:4 10 bit, RGB: 4:4:4
Input Routable / Crosspoint	All 4, repeatable	N/A
Video Input	2xHD-SDI 2xHDMI	4x HDMI
Mix HD & SD source	N/A	Yes
Computer Graphic Interface	2 via HDMI	4 via HDMI
Video output	2 x HDMI (1 is MV, 1 is Assignable) 1 x HD-SDI (Assignable)	2 x HDMI (1 is MV, 1 is PGM)
Down-converted output	N/A	Yes
Built-in Multi-view monitoring out	HDMI	HDMI
Audio input	1 x Stereo RCA (L/R) 2 x Mono Microphone De-embedded Digital Audio (2 CH)	1 x Stereo RCA (L/R) 2 x Mono Microphone De-embedded Digital Audio (2 CH)
Audio output	1 x Stereo RCA (L/R) 1 x Stereo headphone (Mini Jack with volume control) Embedded Digital Audio (2 CH)	1 x Stereo RCA (L/R) 1 x Stereo headphone (Mini Jack with volume control) Embedded Digital Audio (2 CH)
Embedded audio support	embedded 2-CH digital audio	embedded 2-CH digital/ analogue audio
Audio Delay Calibration	N/A	N/A
A+V switching	Yes	Yes
Chromakey	2(M/E keyer & PIP)	N/A
Title Creator	N/A	N/A
USK	2x USK supports M/E Keyer & PIP	Lumakey
DSK	N/A	N/A
Picture in Picture	1	1
Logo Insertion	1	N/A
Still Store	500	N/A
Effects	FTB, Cut, 32 Wipe with border	FTB, Cut, Wipe with border
Transition on Preview	Full transitions preview	N/A
Sync / Reference In/Out	Built-in Genlock (internal)	Built-in Genlock (internal)
Tally Output	1x D-sub 15pin, dual color	1x D-sub 15pin, dual color
PC Remote Control	N/A	N/A
Built-in Audio Mixer	4 channels	4 channels
Special Features		
Chassis	Unibody	Unibody
Power	DC 12V 23W	DC 12V
Accessory	CB-60/ 61/ 62 (30m/50m/100m)	

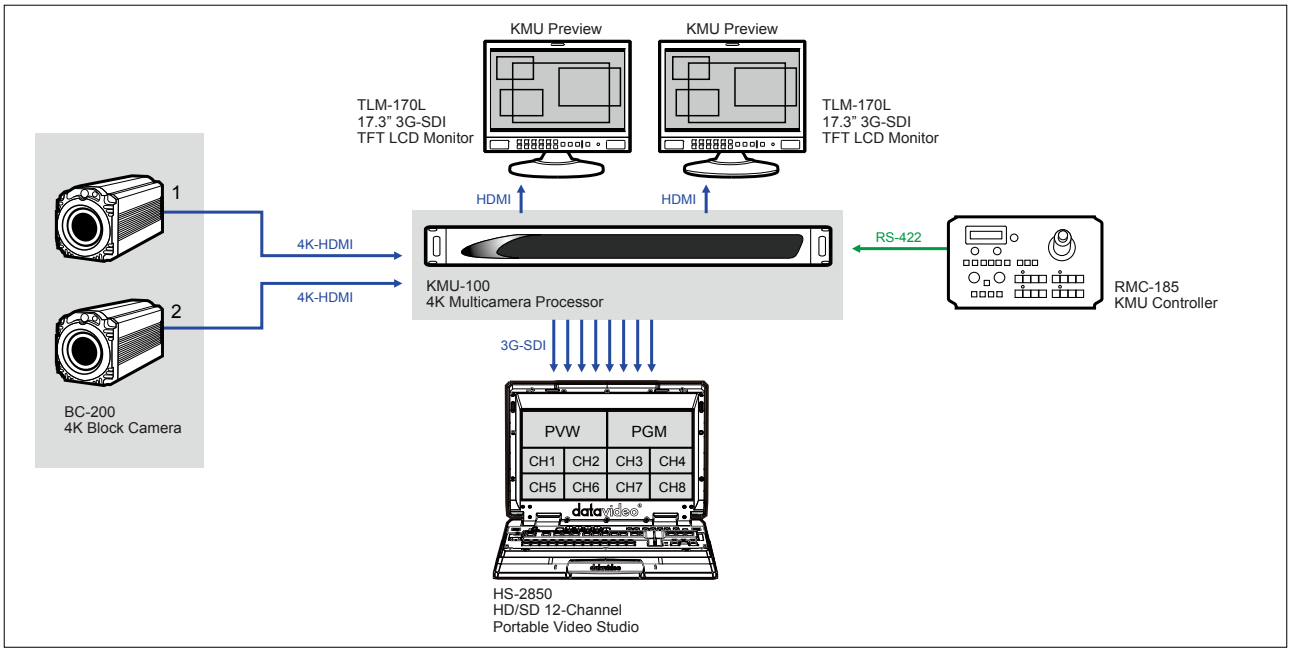
4K Multicamera Processor / 4K Virtual Camera Processor

KMU-100

More Info about KMU-100

KMU-100 Product Video

Datavideo's multi-award winning KMU-100 is an affordable 4K multi-camera production solution that delivers multiple virtual HD (up to 1080p) scaled camera angles from a single 4K camera with minimal installation cost and simple operation. The basic concept is straightforward: the output of one or two UltraHD cameras is connected to KMU-100, which then displays up to four 16x9 user-defined cropped windows that are sent out as four separate HD signals through 3G-SDI. These user defined windows can be scaled to zoom in on a particular subject that you would like to highlight on the 4K signal. An additional 4K camera could be connected to allow up to eight HD outputs from the two 4K signals. As an option, a hardware panel with joystick controller can be added to easily pan, tilt, and zoom to create each HD window. You can set up these shots in advance and save them as presets, or you can do it in real-time.



■ Video Inputs
- Quad SDI, 6G-SDI or 12G-SDI
- HDMI 2.0 video input with support for 2160p60

■ SDI Video Outputs
- 8 x 3G-SDI

■ Monitoring
- 2 x HDMI 1.4

■ Audio
- SDI Audio Input (16 Channels)
- SDI Audio Output (16 Channels)

■ Sync Input (Genlock)
- Blackburst or TrinSync

■ Computer Interface
- Ethernet RJ45 for control, configuration and updates (for laptop)
- RS-232/ RS-422 x 1

Applications

Live Events

Achieve the impossible: an 8 camera HD production from just two cameras! KMU-100 turns two 4K cameras into 8 individual sources for a rich, dynamic and cost-effective video shoot. With the use of the RMC-185 you can pan your shot to the bass player, to a lead singer or zoom in on the drummer all with the scaling power of KMU-100.

Worship

Small worship productions usually only need a few camera angles on stage; for example, a close up of the pastor, the choir, a shot of the chorister, and a wide shot of the stage. Now with KMU-100 you can get all those camera angles with just one 4K camera.

Broadcast

Setting up for a press conference has never been easier than with the KMU-100. Set up one camera and get multiple angles of those at the podium, conference table, and get a wide shot of the setting without a camera operator.

4K Video Wall Processor 2x2/ 4X4

TWP-10/100

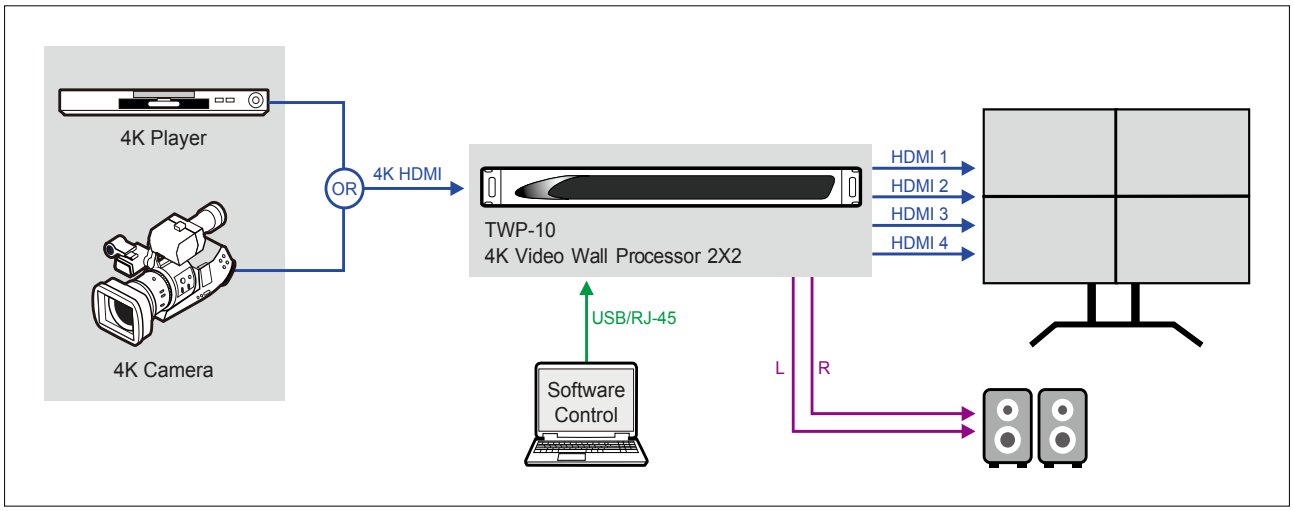
The TWP-10 / TWP-100 4K Video Wall Processor is a powerful, cost effective, and real time processor for multiple flat panel displays. Many display configurations can be possible with the control software.

The TWP-10 / TWP-100 allows users to input HDMI video up to 4K2K@60Hz 4:4:4. The embedded scaler converts signals from the HDMI source to match the original resolution of monitors, flat panel displays, projectors, and user-selectable output settings up to Widescreen Ultra eXtended Graphics Array (WUXGA 1920x1200).

The TWP-10 / TWP-100 sends the processed video through HDMI interface to the connected monitors or projectors, based on the display layout setup. The layout can be readily modified for various applications such as digital signage, video broadcast, education and surveillance system as well as visual effect optimization.

Key Features

- Four HDMI outputs with resolution from 720x480 to 1920x1200
- Supports HDMI input from 1280x720 to 4K2K@60 (YUV 4:4:4), interlaced or progressive
- HDCP compliant
- Image parameters and layouts are automatically saved in flash memory of the device and can be recalled for later use
- Several image parameters and layouts can be saved in computers and loaded for later use
- Firmware upgradable for new features and technology enhancements
- Software control through USB and Ethernet
- Resize, position, zoom for each HDMI output video
- User-selectable output settings, up to 1920x1200
- TWP-10 supports independent input rotation at the resolution up to 1080p
- 4K2K@60 (YUV 4:4:4) can be divided and displayed on four 1080p60 TVs (2x2/4x4 layout only)



When we feed a 4K source into TWP-10, the layout will be set to 2x2. In this setting page, users can see the input source resolution and monitor the frame rate and select the requested output resolution.

With a 4K input, you can define which part of the 4K input source to display. Just select the monitor number below, and drag and drop the color box to select the area to display. Or key-in the starting point by pixel, and press “Apply” to save changes.

With an HD source as input, there are some preset TV wall layout for selection. Customers can also customise their own layout.

It supports input rotation when the source is in HD or lower resolution.

4K Video Wall Processor 4X4

TWP-100

17” TFT LCD Monitor

TLM-170L

The Datavideo TLM-170L monitor is designed for superior performance. Whether your application is in a live production gallery, 19” rack monitoring, OB Van, or a video editing suite, the TLM-170L will help you confidently monitor the pictures within your chosen workflow.

Model	TLM-170P/PM/PR	TLM-170L/LM/LR	TLM-102
Screen	17.3" LED Backlit	17.3" LED Backlit	Dual 10” LCD
Chassis	Tabletop (170P) 1RU Pull-Out (170PM) 7RU Rack Mount (170PR)	Tabletop (170L) 1RU Pull-Out (170LM) 7RU Rack Mount (170LR)	3RU Rack Mount
Panel Resolution	1920x1080	1920x1080	1280x800
Viewing Angle	(H) +80/-80° (V) +60/-80°	(H) +70/-70° (V) +60/-60°	(H) 170° (V) 170°
Luminance/ Contrast	400cd/m² 600:1	300cd/m² 400:1	300cd/m² 800:1
Video Inputs	1x 3G/HD/SD-SDI 2x HDMI 1x HD/SD-YUV 2x Composite Video	1x 3G/HD/SD-SDI 2x HDMI	1x 3G/HD/SD-SDI 1x HDMI
Loop Through	1x 3G/HD/SD-SDI 1x Composite Video	1x 3G/HD/SD-SDI	1x 3G/HD/SD-SDI 1x HDMI
Supported Input Resolutions	1080p(23.98/24/25/30/50/59.95/60Hz), 1080i(50/59.94/60Hz), 720p(50/59.94/60Hz), 480i (NTSC), 576i (PAL)	1080p(23.98/24SF/24/25/29.97/30/50/59.95/60Hz), 1080i(50/59.94/60Hz), 720p(50/59.94/60Hz), 480i (NTSC), 576i(PAL)	1080p(23.98/24/25/29.97/30/50/59.94/60Hz), 1080i(50/59.94/60Hz), 720p(23.98/24/25/29.97/30/50/59.94/60Hz), 480i (NTSC), 576i(PAL)
Aspect Ratio	16:9, 4:3	16:9, 4:3	16:9, 4:3
Tally LED	Live (Red) Cued (Green)	Live (Red) Cued (Green)	Live (Red) Cued (Green)
Audio In/Out	Embedded Audio on SDI and HDMI 3 x Mono RCA Inputs Stereo Speakers	Embedded Audio on SDI and HDMI	Embedded Audio on SDI and HDMI Headphone Jack
Special Features	3G-SDI Support, Picture-in-Picture, Blue Only, Audio Level Indicator, Safe Frame, Pixel Zoom up to 8x, Network IP Remote, SDI Time Code Display	3G-SDI Support, Blue Only, Safe Frame, Pixel Zoom up to 8x	time code, waveform, vector scope & audio level meter , peaking, zoom, pix to pix, underscan, SDI, HDMI cross conversion
Power	DC 12V, 30 watts	DC 12V, 18 watts	DC 12V, 26 watts

Dual 10” Monitor

TLM-102

TLM-102 is a dual 10.1” rack-mounted monitor unit, designed for broadcast, video production and AV users. It features a 4RU rack design with SDI & HDMI in/outputs. It offers a various of mounting methods for live monitoring, integration into portable production units and use in and OB vans.

- 1280*800 IPS Panel resolution
- Dual monitor, 4RU rack mount
- Support 3G-SDI video input with loop-through output
- Support HDMI input with loop-through output
- Support column (YRGB peak), time code, waveform, vector scope & audio level meter , peaking, zoom, pix to pix, underscan, check field, etc
- SDI, HDMI cross conversion
- Individual adjustments of Brightness, Contrast, Color Saturation and LED Backlight Level for each monitor
- Color temperature for user to select
- Front panel Headphone Jacks
- User-definable function buttons F1, F2

7” HD/SD TFT LCD Monitor

TLM-700HD

The Datavideo TLM-700HD features a standard V-Mount enabling you to power the monitor using a standard battery from a range of manufacturers. Perfect for use in the field.

Model	Description
TLM-700HD-C	TLM-700H w/ Canon Battery Mount (compatible with Canon BP series DV batteries)
TLM-700HD-A	TLM-700H w/ Anton Bauer Battery Mount (Gold mount plate with a 14.4V D-tap output socket for Gold mount battery applicable)
TLM-700HD-P	TLM-700H w/ Panasonic Battery Mount (compatible with Panasonic CGA series DV batteries.)
TLM-700HD-S1	TLM-700H w/ Sony Battery Mount (S-7000U) (for SONY EX1 / EX3 camcorder’s battery/compatible with SONY BP-U60, BP-U30 DV batteries)
TLM-700HD-S2	TLM-700H w/ Sony Battery Mount (S-7000F) (e.g For SONY Z5 camcorder’s battery/compatible with SONY NP-F770/970/960/950 DV battery applicable)

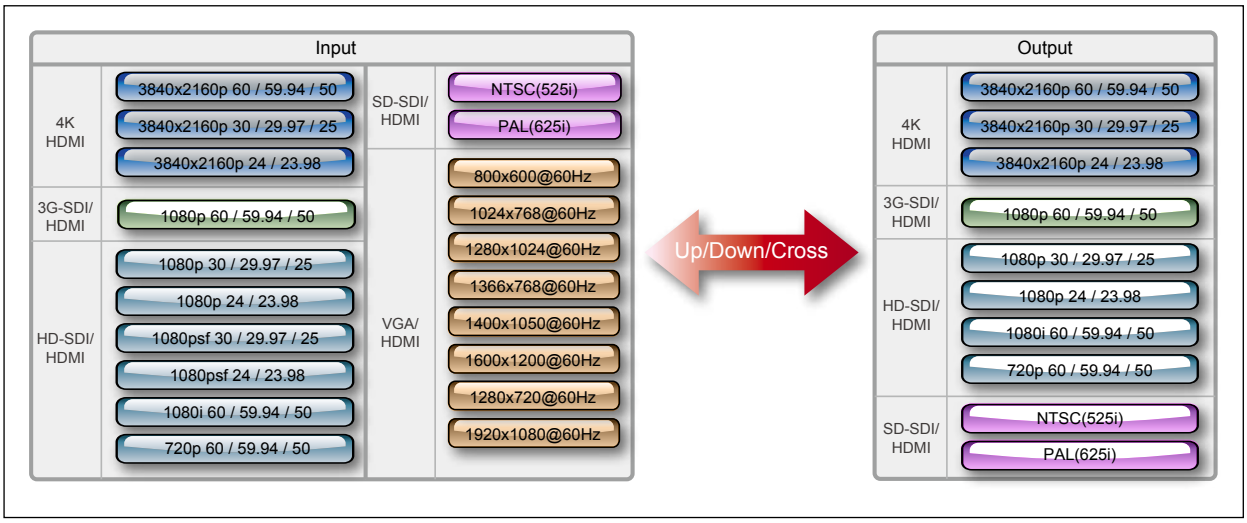
Model	TLM-702HD	TLM-700HD	TLM-434H	TLM-430
Screen	2x7" LED Backlit	7" LED Backlit	4x4.3" TFT LCD	4.3" TFT LCD
Chassis	3RU Rack Mount	Camera Mount	2RU Rack Mount	Camera Mount
Panel Resolution	800x480	800x480	480x272	480x272
Viewing Angle	(H) +70/-70° (V) +50/-70°	(H) +70/-70° (V) +50/-70°	(H) +80/-80° (V) +80/-80°	(H) +70/-70° (V) +50/-70°
Luminance/Contrast	300cd/m² 500:1	300cd/m² 500:1	320cd/m² 400:1	500cd/m² 500:1
Video Inputs	2x HD/SD-SDI 2x HD/SD-YUV 2x HDMI 2x Composite Video	1x HD/SD-SDI 1x HD/SD-YUV 1x HDMI 1x Composite Video	4x HD/SD-SDI 4x HDMI	2x Composite Video
Loop Through	N/A	N/A	4x HD/SD-SDI	N/A
Supported Input Resolutions	1080i(50/60Hz), 720p(50/60Hz) 480i(NTSC), 576i(PAL)	1080i(50/60Hz) 720p(50/60 Hz) 480i(NTSC) 576i(PAL)	1080i(50/60Hz) 720p(50/60 Hz) 480i(NTSC) 576i(PAL)	480i(NTSC) 576i(PAL)
Aspect Ratio	16:9, 15:9, 4:3	16:9, 15:9, 4:3	16:9, 4:3	16:9, 4:3
Tally LED	Live (Red) Cued (Amber)	Live (Red) Cued (Amber)	Live (Red) Cued (Amber)	Live (Red) Cued (Green)
Audio In/Out	Embedded Audio on SDI and HDMI Audio Level Indicator 2x Stereo Headphone Jack	Embedded Audio on SDI and HDMI Audio Level Indicator, 1x Stereo Headphone Jack	Embedded Audio on SDI and HDMI, Audio Level Indicator, 4x Stereo Headphone Jack	N/A
Special Features	Blue Only, Safe Frame, SDI Time Code Display, Audio Level Indicator, Safe Frame	Blue Only, Safe Frame, SDI Time Code Display, Audio Level Indicator, Safe Frame, Image Flip, Can powered by batteries (Not Included)	Blue Only, Embedded Time Code Indicator, Safe Frame	Can be powered by DC adaptor, Sony batteries or D-TAP. TLM-43LB Camera look back system (with RMC-200 and control cable)
Power	DC 12V, 30 watts	DC 12V, 18 watts	DC 12V, 15 watts	DC 12V, 6 watts

4K Up/ Down/ Cross Converter

DAC-45

DAC-45 is an auto-sensing 4K up/down/ cross converter. This product seamlessly converts VGA, HDMI and SDI to 4K or 1080P HDMI and SDI. There is additional RCA audio embedding, to embed a stereo signal to the HDMI or SDI output.

- HDMI 2.0 input/output with 4:2:2 processing
- Video Input : SDI(3G) + HDMI(4K) + VGA
- Video Output : SDI(3G) + HDMI(4K)
- Support 3G-SDI Level A/B
- Reference input (Black Burst and Tri-Level Sync.)
- Built-in Super Resolution Engine for 4K Up Conversion
- Built-in Resolution & Frame rate Up/ Down Conversion Engine
- Built-in De-interlacer and Interlacer (I <-> P conversion)



2RU Rackmount Kit

RMK-2

RMK-2
Product Video

- Rackmount Frame to hold up to 8 DAC Converters
- Built in power distributor for up to 8 converters
- Suitable for all Datavideo converters, distributors or other peripherals using the same housing

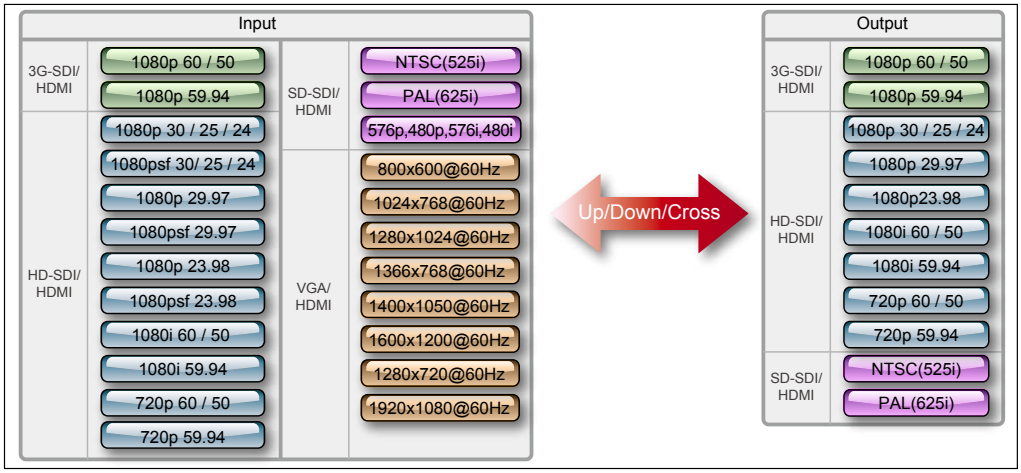
Up/ Down/ Cross Converter

DAC-70

DAC-70
Product Video

Datavideo DAC series has a rugged metal housing for use in even the roughest conditions. DAC-70 is our most popular and versatile converter.

DAC-70 up/down/cross converter is designed to convert video signals from VGA, HDMI, SDI with Audio input to 3G/ HD/SD SDI ouptuts. Perfect for connecting a VGA/HDMI output from computer to SDI devices over long distance SDI cable.



Model	DAC-70	DAC-60	DAC-50S	DAC-45
Conversion	VGA/HDMI/SDI to HDMI/SDI Multi-format Up/Down/Cross	3G/HD/SD-SDI to VGA	3G/HD/SD-SDI to Analog Down Converter	VGA/HDMI/SDI to 4K HDMI/3G-SDI Multi-format Up/Down/Cross
Video Inputs	Sel.: 1x VGA, 1x HDMI, 1x 3G/HD/SD-SDI	1x 3G/HD/SD-SDI	1x 3G/HD/SD-SDI	1x VGA, 1x HDMI, 1x HD/SD-SDI 1x Reference Input
Loop Through	Yes	Yes	Yes	No
Video Outputs	2x 3G/HD/SD-SDI with embedded Audio 1x HDMI	1x VGA	YUV + Composite or Y/C + 2x Composite	1x SDI, 1x HDMI
Audio Inputs	2x RCA (Stereo Pair), 2x SDI/ HDMI Audio embedded	N/A	1x SDI Audio embedded	2x RCA(Unbalanced Audio L/R), 2x SDI/HDMI Audio embedded
Audio Outputs	SDI embedded audio up to 8CH, 48KHz, PCM audio HDMI embedded audio up to 8CH, 48KHz, PCM audio	N/A	2x RCA (Stereo Pair)	SDI embedded audio up to 8CH, 48KHz, PCM audio HDMI embedded audio up to 8CH, 48KHz, PCM audio
Supported Video Input Format	800x600 (60Hz),1024x768(60Hz), 1280x1024(60Hz),1366x768(60Hz), 1400x1050(60Hz), 1600x1200(60Hz), 1280x720(60Hz), 1920x1080(60Hz), 480i, 480p, 525i, 576i, 576p, 625i, 720p (50/59.94/60Hz),1080i (50/59.94/60Hz), 1080psf(23.98/24/25/29.97/30Hz), 1080p(23.98/24/25/29.97/30/50/59.94/60Hz)	480i (NTSC), 576i (PAL), 720p (50/59.94/60Hz), 1080i (50/59.94/60Hz), 1080p (23.98/24/25/29.97/30/50/59.94/60Hz)	480i,576i 720p (50/59.94Hz), 1080i (50/59.94Hz), 1080p (50/59.94Hz)	800x600 (60Hz),1024x768(60Hz), 1280x1024(60Hz),1366x768(60Hz), 1400x1050(60Hz), 1600x1200(60Hz), 1280x720(60Hz), 1920x1080(60Hz), 480i, 480p, 525i, 576i, 576p, 625i, 720p (50/59.94/60Hz),1080i (50/59.94/60Hz), 1080psf(23.98/24/25/29.97/30Hz), 1080p(23.98/24/25/29.97/30/50/59.94/60Hz), 2160p(23.98/24/25/29.97/30/50/59.94/60Hz)
Output Resolutions	525i, 625i, 720p (50/59.94/60Hz) 1080i (50/59.94/60Hz) 1080p (23.98/24/25/29.97/30/50/59.94/60Hz)	800x600 (60Hz), 1024x768 (60Hz) 1280x800 (60Hz), 1280x1024 (60Hz), 1366x768 (60Hz), 1400x1050 (60Hz), 1600x1200 (60Hz), 1920x1080 (60Hz), 1920x1200 (60Hz)	480i, 576i	480i, 480p, 525i, 576i, 576p, 625i, 720p (50/59.94/60Hz),1080i (50/59.94/60Hz), 1080psf(23.98/24/25/29.97/30Hz), 1080p(23.98/24/25/29.97/30/50/59.94/60Hz), 2160p(23.98/24/25/29.97/30/50/59.94/60Hz)
Equalizer	Yes	N/A	Yes	Yes
Reclock	Yes	Yes	Yes	Yes
SDI Cable Drive	Yes	Yes	N/A	Yes
Power	DC 12V, 6 watts	DC 12V, 3.6 watts	DC 12V, 6.0 watts	DC 12V, 9.4 watts
Remarks	- Heavy duty design, robust metal casing - Low power consumption (30 ~ 50% less than regular converters) - Low heat dissipation, ideal for long hour operation in normal ventilated environment - Supports wide range of 3G video formats including 1080p 50/59.94/60Hz (DAC-8P/9P/50S/60/70) - Supports YUV and RGB color space (DAC-8P/9P/70) - Can be rackmounted using optional RMK-2 2RU Rackmount Kit - Can be used with DAC accessories: MB-4 DAC Series Battery Holder, and MB-5 DAC Series Tripod Mount			

Model	DAC-9P	DAC-8P	DAC-7
Conversion	HDMI to 3G/HD/SD-SDI	3G/ HD/SD-SDI to HDMI	SD Analog to SD-SDI
Video Inputs	1x HDMI	1x 3G/HD/SD-SDI	Sel.: 1x CV, 1x YUV, 1x S-Video
Loop Through	N/A	1	N/A
Video Outputs	2x 3G/HD/SD-SDI with embedded Audio	1x HDMI with embedded Audio	2x SD-SDI with embedded Audio
Audio Inputs	2x HDMI Audio embedded	2x RCA (Stereo Pair) 2x SDI Audio embedded	2x RCA (Stereo Pair) 2x XLR (Stereo Pair)
Audio Outputs	2x SDI Audio embedded	2x HDMI Audio embedded	2x SDI Audio embedded
Supported Video Input Format	480i (NTSC), 576i (PAL), 720p (50/59.94/60Hz), 1080i (50/59.94/60Hz), 1080p (23.98/24/25/29.97/ 30/50/59.94/60Hz)	480i (NTSC), 576i (PAL), 720p (50/59.94/60Hz), 1080i (50/59.94/60Hz), 1080p (23.98/24/25/29.97/ 30/50/59.94/60Hz)	480i(NTSC), 576i(PAL)
Output Resolutions	Automatically matches the SD, HD and 3G HDMI video input	Automatically matches the SD, HD and 3G SDI video input	Automatically matches the NTSC, PAL video input
Equalizer	N/A	Yes	N/A
Reclock	N/A	Yes	N/A
SDI Cable Drive	Yes	Yes	Yes
Power	DC 12V, 5 watts	DC 12V, 4 watts	DC 12V, 2.4 watts
Remarks	- Heavy duty design, robust metal casing - Low power consumption (30 ~ 50% less than regular converters) - Low heat dissipation, ideal for long hour operation in normal ventilated environment - Support wide range of 3G video formats including 1080p 50/59.94/60Hz (DAC-8P/9P/50S/60/70) - Support YUV and RGB color space (DAC-8P/9P/70) - Can be rackmounted using optional RMK-2 2RU Rackmount Kit - Can be used with DAC accessories: MB-4 DAC Series Battery Holder, and MB-5 DAC Series Tripod Mount		

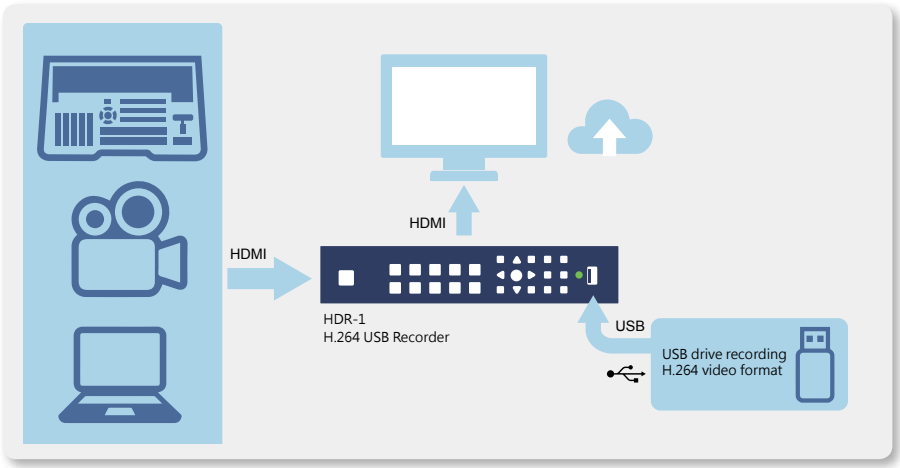
H.264 USB Recorder

HDR-1

NEW Product

H.264

HDR-1 is a standalone H.264 USB recorder / player that is portable and easy to use. It records high quality HD files (up to 20 Mbps in MP4), which is ideal for capturing and archiving footage from worship, seminars, corporate meetings, school announcements, lectures, or live concerts. It can also be used by broadcasters to create a web-optimized proxy recording. Recorded files can be uploaded to YouTube or any website immediately after an event without needing to transcode, which makes it easy to share your content online. Front panel buttons make it very simple to use. The record/pause feature allows users to record an event conveniently as a single file even if there is a break in proceedings.



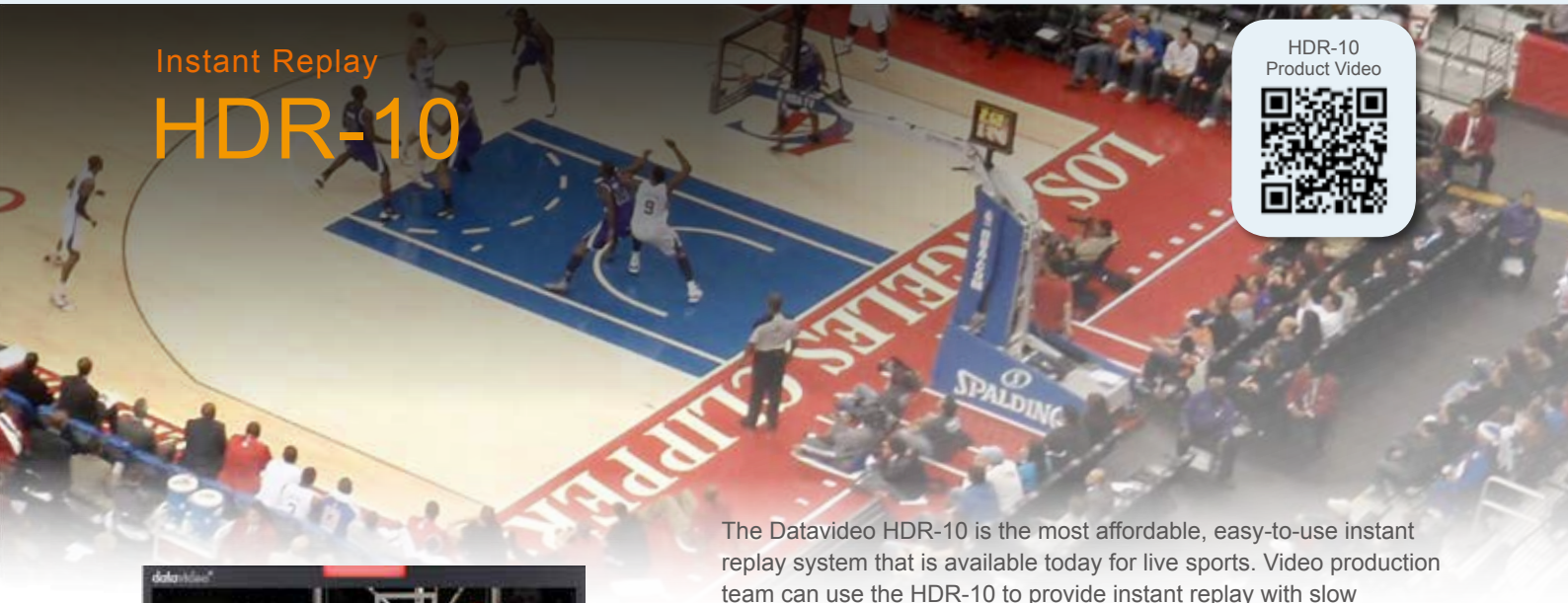
- Capture HD video up-to1080p30
- Redundant Power recorder (UPS), will switch to power bank charging when main power is off (with power bank connected)
- Works without a PC
- Record Format: MP4 (H.264+AAC)
- Record video to USB flash drive with NTFS file format
- To ensure recording quality, recommend the write speed of the USB 3.0 thumb drive should be faster than 45 MB/s
- Instant & timer recording
- GPI and RS-232 control supported
- Supported playback file formats:MP4 (H.264+AAC)
- Support 3D video recording (Top-and-bottom, Side-by-side Half)
- Built-in video editor
- HDMI 1.4b compatibility

Fieldside Hand Carry Recorder

HRS-30

HRS-30 is a portable recording and playback system which provides instant preview of recorded footage, mark points during live recording, highlight clips to replay in slow motion and batch playback of all marked highlight clips in the same folder.

Model	HRS-30	HDR-60/ 70	HDR-1
Product Name	Fieldside Hand Carry Recorder	HD/SD Digital Video Recorder	H.264 USB Recorder
Video Standard	HD & SD	HD & SD	HD & SD
Video Format	1080p 23.97/24Hz ,1080i 50/59.94/60Hz , 720p 50/59.94/60Hz ,576i 50Hz, 480i 59.94Hz	1080P 23.97/24Hz 1080i 50/59.94/60Hz 720P 50/59.94/60Hz 567i 50Hz, 480i 59.94Hz	1080p 25/30 1080i 50/60 720p 50/60 480i/480p/576i/576p
Supported Video Input Signal	1x SDI	1x SDI	1x HDMI
Monitoring/ Playback output	1x SDI (input loop thru) 1x HDMI, 1x SDI (Out)	1x SDI (input loop thru) 1x HDMI, 1x SDI (Out)	1x HDMI
Analog Audio Input & Audio Output	N/A (input) 3.5Ø phone jack (output)	2x Balanced mini XLR (Stereo pair)	N/A
Embedded Audio	SDI Input / Output (8CH) HDMI Output (2CH)	Both In & Out (8-CH on SDI & HDMI)	2ch pcm
Storage Medium	SSD: 120GB / 256GB / 512GB / 1TB	2.5" Hard Drive / SSD*, Max capacity 1TB	USB Flash Drive
Estimated Record Time (min per 10GB)	SD: 22 (50Mbps) ~ 75 (8Mbps) HD: 10 (125Mbps) ~ 68 (10Mbps)	SD: 19 (50Mbps) ~ 70 (8Mbps) HD: 8 (125Mbps) ~ 62 (10Mbps)	SD 16GB: 4.2Hr (7.5Mbps)~ 10Hr (3Mbps) HD 16GB: 1.5Hr (20Mbps)~ 2Hr (15Mbps)
How to Retrieve Recorded Content	Removable Hard Drive / SSD	Removable Hard Drive / SSD, transfer data via USB2.0	Removable Hard Drive / SSD, transfer data via USB 2.0
Storage File System	NTFS	NTFS (read only)	NTFS
Recorded File Format	MXF OP1A, MOV	MXF OP1A, MOV	MP4 (H.264+ AAC)
Video Recording Bit Rate/ Color Sampling	MPEG2 Long GOP HD: 1. 10Mbps 4:2:0 1440x1080/1280x720, 2. 25Mbps 4:2:0 1440x1080/1280x720, 3. 35Mbps 4:2:2 1920x1080/1280x720, 4. 50Mbps 4:2:2 1920x1080/1280x720, 5. 65Mbps 4:2:2 1920x1080/1280x720, 6. 120Mbps 4:2:2 1920x1080/1280x720, MPEG2 Long GOP SD 1. 8Mbps 4:2:0 720x480/720x576 (to be F/W upgrade) 2. 15Mbps 4:2:2 720x480/720x576 3. 30Mbps 4:2:2 720x480/720x576 4. 50Mbps 4:2:2 720x480/720x576 MPEG2 I-Frame Only HD 1. 80Mbps 4:2:2 1920x1080/1280x720 2. 100Mbps 4:2:2 1920x1080/1280x720 3. 125Mbps 4:2:2 1920x1080/1280x720 MPEG2 I-Frame Only SD 1. 25Mbps 4:2:2 720x480/720x576 2. 50Mbps 4:2:2 720x480/720x576	MPEG2 Long GOP HD: 1. 10Mbps 4:2:0 1440x1080/1280x720, 2. 25Mbps 4:2:0 1440x1080/1280x720, 3. 35Mbps 4:2:2 1920x1080/1280x720, 4. 50Mbps 4:2:2 1920x1080/1280x720, 5. 65Mbps 4:2:2 1920x1080/1280x720, 6. 120Mbps 4:2:2 1920x1080/1280x720, MPEG2 Long GOP SD 1. 8Mbps 4:2:0 720x480/720x576 2. 15Mbps 4:2:2 720x480/720x576 3. 30Mbps 4:2:2 720x480/720x576 4. 50Mbps 4:2:2 720x480/720x576 MPEG2 I-Frame Only HD 1. 80Mbps 4:2:2 1920x1080/1280x720 2. 100Mbps 4:2:2 1920x1080/1280x720 3. 125Mbps 4:2:2 1920x1080/1280x720 MPEG2 I-Frame Only SD 1. 25Mbps 4:2:2 720x480/720x576 2. 50Mbps 4:2:2 720x480/720x576	YUV 4:2:0 / 12bit
Audio Recording Format	Uncompressed PCM	Uncompressed PCM Sampling rate 48KHz 24bit	AAC 2CH, but not support audio rec only
Time code in/out	Yes	Yes	N/A
External Sync/Genlock	Black Burst & Tri-level w/loop thru	Black Burst & Tri-level with loop thru	N/A
Power Failure Protection	Content saved up to last second before power failure	Content saved up to last 3 seconds or less before power failure	N/A
Chassis	Desktop	Desktop (HDR-60) 1RU 19" rack-mountable (HDR-70)	1 U / Half



Instant Replay

HDR-10

HDR-10
Product Video

The Datavideo HDR-10 is the most affordable, easy-to-use instant replay system that is available today for live sports. Video production team can use the HDR-10 to provide instant replay with slow motion to review plays for referees and coaches during games and matches. It can also be used to make highlight reels for college recruiting purposes.

Whether you are a professional video production house or a novice school production team, the HDR-10 makes it simple to add instant replay with slow motion to your sports video production. Thanks to its small footprint, stackability, and durability, the HDR-10 is an easy, non-disruptive addition into any existing production workflow. Solid State Drive (SSD) compatibility provides the fastest uncompressed video response time when performing live instant replay.

- Single channel highlight replay unit
- Internal 4GB (30sec.) Buffer to capture and review the event
- 3G / HD-SDI input, output and loop through with embedded audio (see Instruction Manual for compatible resolutions)
- 1x RMC-400 Multi-Channel Instant Replay Control Unit Required
- GPI interface allows other devices such as switcher to trigger the playback
- Recording file formats: MOV
- Support NTFS format without 2GB/4GB file limitation
- LISN (Local Interconnect Synchronous Network) connection between main unit, remote controller and other devices

Replay Controller

RMC-400

Adding instant replay to any sports productions has never been this easy. The cost-effective workflow of HDR-10 highlight replay unit combined with a brand new RMC-400 controller makes instant replay an option for all level of production.

The RMC-400 can control up to four HDR-10 Instant Replay units, allowing you to have instant replay with slow motion and up to four different camera angles. Easily mark your in and out points using the jog shuttle dial to create a highlight clip, then press one button to replay. You can use the T-bar to control the speed. As you can connect multiple HDR-10s to the RMC-400, you can start off with 1-2 cameras and expand to 4 cameras for larger productions.

- Control up to 4 HDR-10 Instant Replay at the same time through USB
- Short-cut keys to allow mark-in/out points and save clips
- T-bar allows speed of replay
- Jog wheel allows you to find in and out points of the replay
- Support GPI

Portable CG Solution

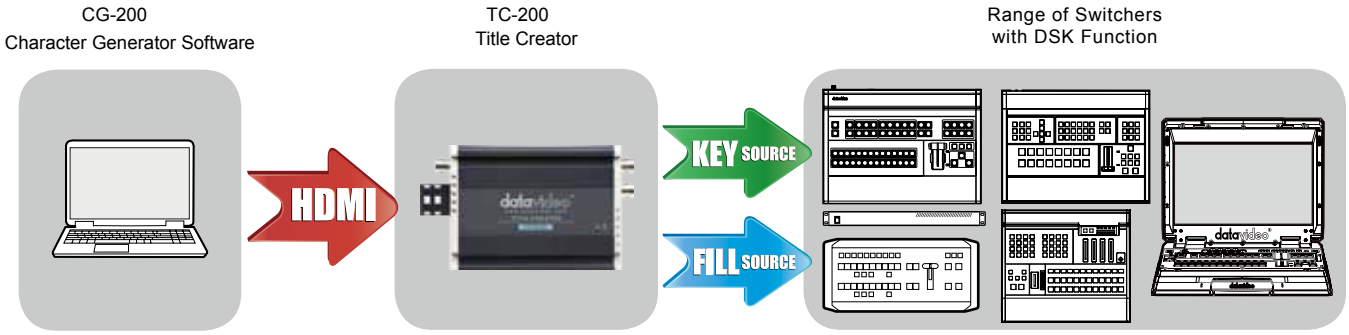
HD / SD Character Generator Kit

TC-200+CG-200

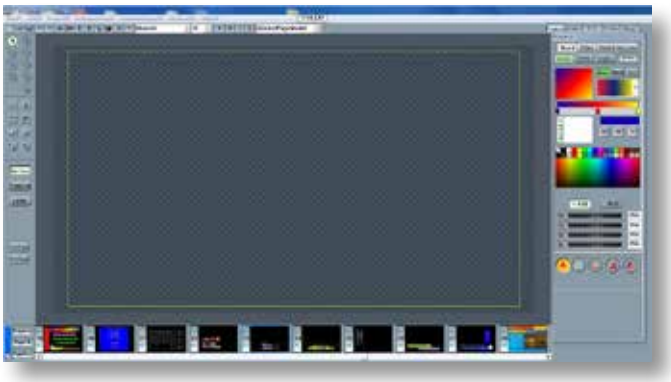
TC-200+CG-200
Product Video

The combination of the TC-200 overlay unit and CG-200 brings broadcast-quality live titling to the laptop.
Users can now create beautiful motion graphics in real-time without the need for a dedicated workstation - it's a significant breakthrough.

- Includes TC-200 (Title Creator) & CG-200 (Character Generator Software)
- Supports DSK function (via HDMI) or SDI overlay function
- Support HD/SD SDI input and output in Overlay mode
- Supports HD video with 1080i 50/59.94/60; 720p 50/59.94/60
- Compatible with Windows 7/8
- Supports all Windows fonts
- Multi-language support
- Supports animation including JPG, TAG, GIF, BMP, PNG
- Title editing patterns include Slide, Reveal, etc.
- Supports scrolling
- Easy logo set up
- TC-200 working voltage is 7-15V. It can be used with 7.2 V & 14.4 V batteries



CG-250 (Optional)



Special Features of CG-250

- A variety of CG templates and text font choices
- Supports Live 3D graphic
- Key frame control
- Supports countdown clock and sport scoreboard

CG-200 Example

CG-250 Example

HD/SD Graphic & Character Generator

CG-500

CG-500
Product Video

The Windows based Datavideo CG-500 graphics, titling, and character generator software is a powerful multi-layer, real-time solution for live programming and post production. It is compatible with widely available professional video hardware and supports the flexible play-out of multiple playlists, or Datavideo's TC-200 device while titles are being created. CG-500 can be used for SD or HD news, reports, weather forecasts, and entertainment programming.

Hundreds of key frame based GPU effects, such as Swirl, Explode, and Linear Light can be rendered in real-time. The software features innovative group and text playing by character, by line, and by text, with fully dynamic textures.

Applications

Model	CG-500	CG-350	CG-250	CG-200
SD resolution	●	●	●	●
HD resolution	●	●	●	●
Manual playout control	●	●	●	●
Playlists	●	●	●	
Animated logo / sequence	●	●	●	●
Scheduling	●			
Dynamic Data integration	●	●		●
Database integration	●			●
Live 3D graphics	●		●	
Fast graphics rendering	●	●	●	●
Template-based	●	●	●	●
Media library	●	●	●	
Keyframe control	●		●	
Capture Video Frame	●	●		
Recommended Video Card for both Internal/External key	Datavideo TC-200 Decklink 4K Extreme	Datavideo TC-200 Decklink 4K Extreme	Datavideo TC-200	Datavideo TC-200

HDBaseT PTZ Camera/ 4K Block Camera

Pan/tilt/zoom and block cameras

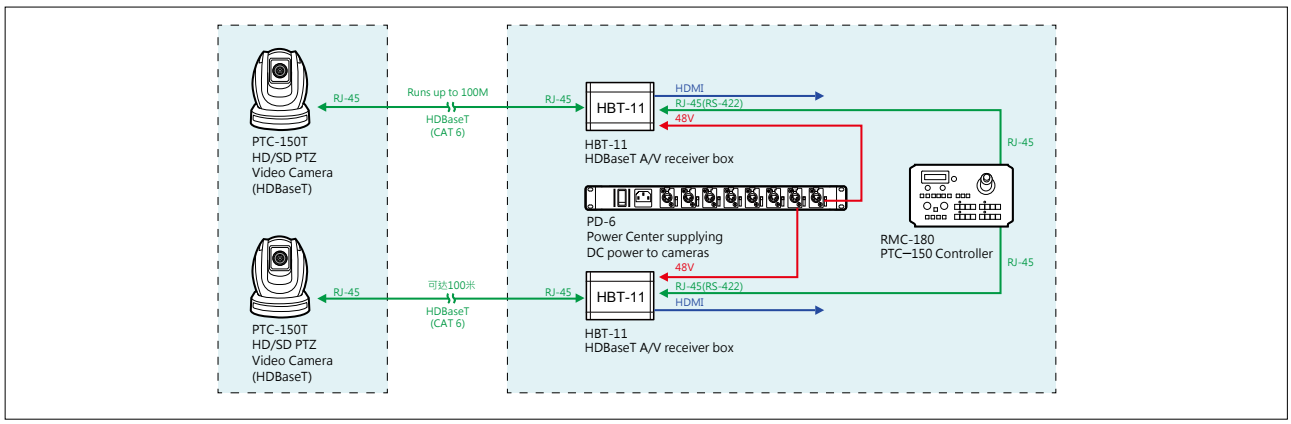
The PTC-200T 4K Video Camera and the PTC-150T HD/SD Video Camera are PTZ cameras with HDBaseT Technology. HDBaseT delivers video signals, tally, camera control and power over a single Ethernet connection, making installations very fast and easy.

The PTC-200T camera captures UltraHD video at a resolution of 3840 x 2160 and the PTC-150T captures HD video at a resolution of 1920 x 1080. Both feature wide dynamic range with backlight compensation.

The PTC-200T has a receiver box that allows the user to control the camera at a remote location with just one Ethernet cable. The camera supports Sony VISCA protocol for PTZ control using the RS-422 interface over the unit's RJ-45 port.

The BC-200T Block Camera is a 4K (3840 x 2160,) 30P camera with an infrared remote control and housed in a rugged metal case. It allows long distance signal transmission using the HDBaseT technology.

The BC-200T provides 12x optical focus and one HDMI video output interface. A tally light indicator is positioned above the BC-200T camera lens. The camera supports SONY VISCA control protocol so it can be controlled through the RS-422 or DVIP interface.



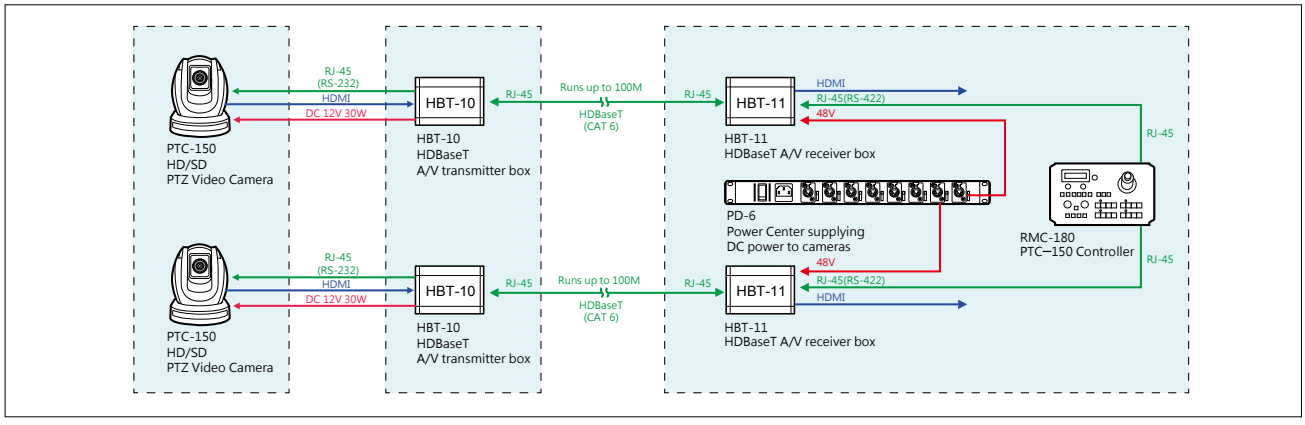
HDBaseT Receiver Box
HBT-11

The HBT-11 HDBaseT Receiver Box is equipped with HDBaseT Port, which connects PTC-150T/PTC-200T/BC-200 Camera HDBaseT Port by using a CAT5e/6 Cable. This allows users to transmit video source, control single and power with a single CAT5e/6 cable that can be transmit up to 100m (1080 60p/50p) or 70m (4K 30p/25p).

HDBaseT Transmitter Box
HBT-10

The HBT-10 and HBT-11 HDBaseT transmitter and receiver provide a maximum transmission distance of 100 meters. The pair supports video transmission up to 4K resolutions over Ethernet.
With a 48V power source connected to one end of the HBT-11 HDBaseT receiver, the HBT-11 can also remotely power the transmitter using Power over Ethernet (PoE). On the transmitter end, there is also a 12V/30W DC output serving to supply power to external devices.
DVIP control can be achieved over the same Ethernet cable. In other words,HDMI video, DVIP control signals and Power over Ethernet (PoE) can be transmitted between the transmitter and the receiver using a single Ethernet cable.

Model Name	HBT-10	HBT-11
Product Name	HDBaseT Transmitter Box	HDBaseT Receiver Box
Video/Audio Input	HDMI x1	HDBaseT RJ-45 x1
Video/Audio Output	HDBaseT RJ-45 x1	HDMI x1
DVIP Ethernet	RJ-45 x1	
RS-422/ RS-232	Phoenix terminal. Pitch 3.50mm	
Power	DC OUT: DC 12V	DC IN: DC 48V
Dimension	131.8x85x45.2mm	
HDBaseT Distance	Up to 100m by Cat.6 cable	



4K/HD/SD-SDI PTZ Camera

Pan/Tilt/Zoom cameras

PTC-150 Product Video

The PTC-200/150 is ideal for 4K AV production, automated TV studios, fixed rig production, lecture recording, conferences and meetings and houses of worship. Its unique position tracking function outputs frame accurate PTZ positions in real time. With a tally light, 2160p 29.97/25 resolution, and 8.93m pixels, the PTC-200 can satisfy applications that require high image quality. The PTC-150 has 3G 1080p50/60 `resolution, and 2m pixels for high quality HD production.

PTZ Camera Controller

RMC-180

1-4 Camera Control

Maximum Camera Control	4
Preset Position	4 for each camera
Control Protocol	Sony VISCA
Connection to Cameras	Point to Point

4K Block Camera

BC-200

- Lens: 1/2.3” type Exmor R CMOS
- 12x optical zoom, f = 3.9 mm (wide) to 46.8 mm (tele), F1.8 to F2.0
- 4K formats supported: (3,840 x 2,160, QFHD) 2160p/29.97, 2160p/25
- High definition formats supported: 1080p59.94/50/29.97/25, 1080i59.94/50
- Video Output: 2 HDMI synchronously.
- Tally LED Design (RS-422/ DVIP Operation)
- Supports SONY VISCA and Datavideo DVIP protocols

HD Block Camera

BC-80

- HD Resolution: 1/2.8" High Definition 2.0 M Pixels progressive CMOS sensor
- High definition formats supported: 1080/ 59.94p, 1080/ 50p, 1080/ 59.94i, 1080/ 29.97p, 1080/ 25p, 1080/ 50i, 720/ 59.94p, 720/50p
- Digital Noise Reduction Function (DNR) to reduce the noise and enable sharper images under low light conditions.
- Video Output: SDI + HDMI synchronously.
- Tally LED Design (RS-422/ DVIP Operation)
- Supports SONY VISCA and Datavideo DVIP protocols

Full HD Block Camera

BC-50

- 1080P Full HD resolution
- 20x optical zoom with a maximum aperture of F1.8. The camera gain setting of 0.05 LUX is sufficient for video production with a smooth PTZ control
- Support PoE Technology for remote power
- H.264/H.265/Motion-JPEG compression through RJ-45 connection
- Regular 3G SDI output for uncompressed video up to 1080P
- Controllable by VISCA/Pelco-C/Pelco-D
- Tally lights for broadcast level applications
- The camera is only 6.4 inch long facilitating setup in all environments
- Cold shoe mount for connecting an external LED light or monitor

Model	PTC-200T	PTC-150T/ PTC-150TW	BC-200T	PTC-200	PTC-150/ PTC-150W	BC-200	BC-80	BC-50
	4K PTZ Camera (HDBaseT)	HD/SD-SDI PTZ Camera (HDBaseT)	4K Block Camera (HDBaseT)	4K PTZ Camera	HD/SD-SDI PTZ Camera	4K Block Camera	HD Block Camera	Full HD Block Camera
Video format	2160p 29.97/25 1080p 59.94/50 1080i 59.94/50 720p 59.94/50	1080p 59.94/50/29.97/25 Hz 1080i 59.94/50 Hz 720p 59.94/50 Hz 480i, 576i (on CVBS)	2160p 29.97/25 1080p 59.94/50 1080i 59.94/50 720p 59.94/50	2160p 29.97/25 1080p 59.94/50 1080i 59.94/50 720p 59.94/50	1080p 59.94/50/29.97/25 Hz 1080i 59.94/50 Hz 720p 59.94/50 Hz 480i, 576i (on CVBS)	2160p 29.97/25 1080p 59.94/50 1080i 59.94/50 720p 59.94/50	1080p 59.94/50/29.97/25 1080i 59.94/50 720p 59.94/50	1080p 60/50/30/25 1080i 60/50 720p 60/50
Image Sensor	1/2.3” type Exmor R CMOS	1/2.8” type progressive scan CMOS sensor	1/2.3” type Exmor R CMOS	1/2.3” type Exmor R CMOS	1/2.8” type progressive scan CMOS sensor	1/2.3” type Exmor R CMOS	1/2.8” type progressive scan CMOS sensor	1/2.7" progressive scan CMOS sensor
Effective Pixels (approx.)	8.93 Mega pixels	2.14 Mega pixels	8.93 Mega pixels	8.93 Mega pixels	2.14 Mega pixels	8.93 Mega pixels	2.14 Mega pixels	2.07 Mega pixels
Min. Illumination	50%, High Sensitivity Mode: Color: 0.75 lx (F1.8, AGC on, 1/30 sec) 50%, Normal Mode: Color: 3 lx (F1.8, AGC on, 1/30 sec)	Color : 0.4 lx B/W : 0.03 lx (F1.6, 1/30 sec, 50IRE, Gain: High)	50%, High Sensitivity Mode: Color: 0.75 lx (F1.8, AGC on, 1/30 sec) 50%, Normal Mode: Color: 3 lx (F1.8, AGC on, 1/30 sec)	50%, High Sensitivity Mode: Color: 0.75 lx (F1.8, AGC on, 1/30 sec) 50%, Normal Mode: Color: 3 lx (F1.8, AGC on, 1/30 sec)	Color : 0.4 lx B/W : 0.03 lx (F1.6, 1/30 sec, 50IRE, Gain: High)	50%, High Sensitivity Mode: Color: 0.75 lx (F1.8, AGC on, 1/30 sec) 50%, Normal Mode: Color: 3 lx (F1.8, AGC on, 1/30 sec)	Color : 0.4 lx (F1.6, 1/30 sec, 50IRE, Gain: High) B/W : 0.03 lx (F1.6, 1/30 sec, 50IRE, Gain: High)	0.05 Lux @ (F1.8, AGC ON)
Electronic Shutter	1/25 (1/30), 1/50 (1/60), 1/75(1/90), 1/100, 1/120 (1/125), 1/150(1/180), 1/215(1/250), 1/300(1/350), 1/425(1/500), 1/600(1/725), 1/1000, 1/1250(1/1500) sec	1/25 (1/30), 1/50 (1/60), 1/75(1/90), 1/100, 1/120 (1/125), 1/150(1/180), 1/215(1/250), 1/300(1/350), 1/425(1/500), 1/600(1/725), 1/1000, 1/1250(1/1500) sec	1/25 (1/30), 1/50 (1/60), 1/75(1/90), 1/100, 1/120 (1/125), 1/150(1/180), 1/215(1/250), 1/300(1/350), 1/425(1/500), 1/600(1/725), 1/1000, 1/1250(1/1500) sec	1/25 (1/30), 1/50 (1/60), 1/75(1/90), 1/100, 1/120 (1/125), 1/150(1/180), 1/215(1/250), 1/300(1/350), 1/425(1/500), 1/600(1/725), 1/1000, 1/1250(1/1500) sec	1/25 (1/30), 1/50 (1/60), 1/75(1/90), 1/100, 1/120 (1/125), 1/150(1/180), 1/215(1/250), 1/300(1/350), 1/425(1/500), 1/600(1/725), 1/1000, 1/1250(1/1500) sec	1/25 (1/30), 1/50 (1/60), 1/75(1/90), 1/100, 1/120 (1/125), 1/150(1/180), 1/215(1/250), 1/300(1/350), 1/425(1/500), 1/600(1/725), 1/1000, 1/1250(1/1500) sec	1/25 (1/30), 1/50 (1/60), 1/75(1/90), 1/100, 1/120 (1/125), 1/150(1/180), 1/215(1/250), 1/300(1/350), 1/425(1/500), 1/600(1/725), 1/1000, 1/1250(1/1500) sec	1/30s ~ 1/10000s
Zoom Ratio	12x Optical Zoom	30x Optical Zoom	12x Optical Zoom	12x Optical Zoom	30x Optical Zoom	12x Optical Zoom	30x Optical Zoom	20x Optical zoom ; 16x Digital zoom
Gamma Control	Off / Normal / Standard Mode 1-4	Off / Normal / Standard Mode 1-4	Off / Normal / Standard Mode 1-4	Off / Normal / Standard Mode 1-4	Off / Normal / Standard Mode 1-4	Off / Normal / Standard Mode 1-4	Off / Normal / Standard Mode 1-4	Yes
Iris Control	Auto / Manual	Auto / Manual	Auto / Manual	Auto / Manual	Auto / Manual	Auto / Manual	Auto / Manual	Auto / Manual
Digital Noise Reductions	Yes	Yes	Yes	Yes	Yes	Yes	Yes	2D & 3D
White Balance	Auto, Indoor, Outdoor, Sodium Vapor Lamp, One-push, Manual	AWB / MWB / One push WB / Outdoor / Indoor / Fluorescent	Auto, Indoor, Outdoor, Sodium Vapor Lamp, One-push, Manual	Auto, Indoor, Outdoor, Sodium Vapor Lamp, One-push, Manual	AWB / MWB / One push WB / Outdoor / Indoor / Fluorescent	Auto, Indoor, Outdoor, Sodium Vapor Lamp, One-push, Manual	AWB / MWB / One push WB / Outdoor / Indoor / Fluorescent	Auto, 3000K/Indoor, 4000K, 5000K/Outdoor, 6500K_1, 6500K_2, 6500K_3, One Push, Manual
AGC / Gain Control	Auto/Manual (0 dB to 33 dB) Max. Gain Limit (9 dB to 33 dB)	Auto / Manual Max. Gain Limit	Auto/Manual (0 dB to 33 dB) Max. Gain Limit (9 dB to 33 dB)	Auto/Manual (0 dB to 33 dB) Max. Gain Limit (9 dB to 33 dB)	Auto / Manual Max. Gain Limit	Auto/Manual (0 dB to 33 dB) Max. Gain Limit (9 dB to 33 dB)	Auto / Manual Max. Gain Limit	
Mirror / Flip Image	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Focus Mode	Auto (Sensitivity: normal, low), One-push AF, Manual, Zoom Trigger AF	Auto / Manual	Auto (Sensitivity: normal, low) / One-push AF / Manual / Zoom Trigger AF	Auto (Sensitivity: normal, low), One-push AF, Manual, Zoom Trigger AF	Auto / Manual	Auto (Sensitivity: normal, low) / One-push AF / Manual / Zoom Trigger AF	Auto / Manual	Auto / Manual
Panning/Tilting Range	Pan: 270° , Tilt: +90° to -17°	Pan: 270° , Tilt: +90° to -20°	N/A	Pan: 270° , Tilt: +90° to -17°	Pan: 270° , Tilt: +90° to -20°	N/A	N/A	N/A
Panning/Tilting Speed	Manual: 1~150°/Sec Swing: 1~150°/Sec	Manual: 1~150°/Sec Swing: 1~150°/Sec	N/A	Manual: 1~150°/Sec Swing: 1~150°/Sec	Manual: 1~150°/Sec Swing: 1~150°/Sec	N/A	N/A	N/A
Preset	50 Position	50 Position	10 Position	50 Position	50 Position	10 Position	10 Position	N/A
Field of View (Horzontal, Wide)	Approx. 70.7° (WIDE END) / 6.4° (TELE END)	Approx. 63.7° (WIDE END) / 2.3° (TELE END)	Approx. 70.7° (WIDE END) / 6.4° (TELE END)	Approx. 70.7° (WIDE END) / 6.4° (TELE END)	Approx. 63.7° (WIDE END) / 2.3° (TELE END)	Approx. 70.7° (WIDE END) / 6.4° (TELE END)	Approx. 63.7° (WIDE END) / 2.3° (TELE END)	
Image Compensation	Day & Night Function	Day & Night function	Day & Night Function	Day & Night Function	Day & Night function	Day & Night Function	Day & Night Function	Day & Night function
Video Output	HDMI x1 3G-SDI x1 HDBaseT x 1 to PTC-200T Receiver Box	HDMI (V1.3) x 1 3G-SDI x 1 CVBS x 1 HDBaseT x 1 to PTC-150T Receiver Box	HDMI x 1 HDBaseT x 1 to BC-200T Receiver Box	HDMI x1 3G-SDI x1	3G-SDI x 1 HDMI x 1 CVBS x 1	HDMI x 2	HDMI (V1.3) x 1 3G-SDI x 1	3G/HD-SDI x1
Tally LED	Dual color (Red, Green)	Dual color (Red, Green)	Dual color (Red, Green)	Dual color (Red, Green)	Dual color (Red, Green)	Dual color (Red, Green)	Dual color (Red, Green)	Dual color (Red, Green)
Filter	No	Yes	N/A	No	Yes	N/A	N/A	Yes
Remote Control Interface	RS-422: Transmit up to 1000m HDBaseT (RJ-45)/ DVIP on Receiver Box: Transmit up to 70m (4K image)	RS-422: Transmit up to 1000m HDBaseT (RJ-45)/ DVIP on Receiver Box: Transmit up to 100m	RS-422: Transmit up to 1000m HDBaseT (RJ-45)/ DVIP on Receiver Box: Transmit up to 70m (4K image)	RS-422: Transmit up to 1000m DVIP (RJ45): 100m	RS-422: Transmit up to 1000m DVIP (RJ45): 100m	RS-422: Transmit up to 1000m DVIP (RJ45): 100m	RS-422: Transmit up to 1000m DVIP (RJ45): 100m	RS-485: Transmit up to 1200m
Camera Control Unit	RMC-180	RMC-180	RMC-180	RMC-180	RMC-180	RMC-180	RMC-180	N/A
color	dark blue	dark blue/ white	dark blue	dark blue	dark blue/ white	dark blue	dark blue	dark blue

Multi-camera Control Unit

MCU-100

MCU-100
Product Video

MCU-100 and MCU-200 are designed to control up to four camcorders in studio multi-camera configuration, giving the producer the ability to match and manage the settings of multiple cameras.

Model	MCU-100P/200P (Panasonic)	MCU-100S/200S (Sony)	MCU-100J/200J (JVC)
Support functions	Record and Playback Camera User memory functions Camera OSD Menu Navigation Shutter speed and degree functions Iris adjustment AWB & ABB functions White Balance A, B and Preset functions Camera Knee & Bars functions Camera Gain adjustment RGB / R & B gain and Master Pedestal controls	Record and Playback Camera User memory functions Camera OSD Menu Navigation Shutter adjustment Iris adjustment AWB & ABB functions White Balance A, B and Preset functions Knee & Bars functions Gain adjustment RGB / R & B gain and Master Pedestal controls	Record and Record Review Control of Camera User memory Control of Shutter / Focus / Zoom function Iris adjustment AWB & ABB functions White Balance A, B and Preset functions Knee & Bars functions Camera Gain adjustment Assign function RGB / R & B gain and Master Pedestal controls
Camera side adapter	AD-1P	AD-1S	AD-1J
Camera controlled Qty	4	4	4
CAM remote interface	10 Pin remote connector	8 Pin remote connector	PS/2 Multicore & LANC
Composition monitoring to view the camera's own LCD/OSD menus	YES	YES	N/A
Compatible Camera Models	AG-HPX255, AG-HPX300, AG-HPX301, AG-HPX302, AG-HPX304, AG-HPX370, AG-HPX370P, AG-HPX371, AG-HPX372, AG-HPX500, AG-HPX502, AG-HPX600, AG-HPX600P, AJ-HDX900, AJ-HPX2700, AJ-HPX2700G, AJ-HPX3000, AJ-HPX2000, AG-HPX380, AG-HPX3100, AJ-PX800G, AJ-PX500, AG-HPX393	PMW EX3, PMW EX350, PMW 300K2, PMW 350K, PMW 320, PMW 400, PDW-510, PDW-510P, PMW F5, PDW-F55, HDW-F900R, HDW-790P, HDW-750P, PMW-300, PMW-F3, PMW-350, HDW-730S, HDW-F900R	GY-HM750, GY-HM890U, GY-HM850U, GY-HM650U, GY-HM600U, GY-LS300CHU
Connection Distance	300M	300M	300M

Multi-camera Control Unit

MCU-200P/200S/200J

We also provide the camera controller in a 19" rack mounted version, named MCU-200

Camera Remote Adaptor

AD-1

(4 units included)

Connecting the MCU-100P/100S/200P/200S

Connect AD-1 adapter to the camera's camera remote port. Connect an ethernet cable from the AD-1 to the MCU. Parameters can viewed by connecting monitors to each AD-1 adaptor using a CVBS cable.

MCU-100 and MCU-200 utilize locking power connectors.

Iris/Shutter control box for Sony cameras

RMC-230

In multi-angle shoots with quickly changing lighting, the RMC-230 allows the director to manage the iris and shutter settings of multiple cameras.

Iris adjustment using a T-Bar is very fast and accurate - it is far more effective than buttons, sliders and knobs. RMC-230 connects to a MCU-100/200 master control unit, to give only an enhanced way of operating the MCU.

*RMC-230 only works on Sony

Tablet teleprompter systems

TP-650

(with iPad Pro support)

TP-650
Product Video

Protective Cases

HC-600

HC-500

A teleprompter allows a presenter to look into the camera lens and read a script from a reflected screen equipped with beam-splitter glass. Most teleprompters are for use in the studio but the Datavideo TP range can be used anywhere!

Convert Apple or Android tablets into cost-effective and easy to use prompter solutions. Scripts can be easily loaded, character font, size, color and scrolling speed are all adjustable.

Wired and optional Bluetooth remotes allow users to control the speed to achieve natural results.

The dv prompter application is available to download Free from Apple™ App Store™ & Google Play.

Wireless Controller - WR-500

The wireless version uses Bluetooth technology and can be charged over USB. It can also be tethered to a device via a USB cable.

Model	TP-150	TP-300	TP-500	TP-650
Product Name	Prompter kit for PTZ camera	Tablet Prompter (HD/SD Camcorders used)	DSLR Prompter	ENG Prompter
Device Used	Apple iPads Android Tablets	Apple iPads Android Tablets	Apple iPads Android Tablets	Apple iPads Android Tablets
Camera-Mount Interface	PTZ Prompter Frame	Prompter Frame	Adjustable Camera Plate	Prompter Rail
Smartphone/ Tablet Size	Min. Tablet Width: 145mm Max. Tablet Width: 265mm	Min. Tablet Width: 110mm Max. Tablet Width: 220mm	Min. Tablet Width: 110mm Max. Tablet Width: 220mm	Min. Tablet Width: 145mm Max. Tablet Width: 265mm
Multi-language support	Device dependent including Arabic and Asian languages such as Chinese, Japanese, Korean, Hindi, Tamil and more			
Hood Dimension/ Prompter Size	Not applicable - No hood supplied Below lens prompting only	Width: 250mm Height: 160mm Depth: 240mm	Width: 265mm Height: 160mm Depth: 120mm	Width: 415mm Height: 290mm Depth: 750mm
Remote Control	Universal Bluetooth Wireless Remote Included (with USB cable adapter for charging purposes)			
Net Weight	0.78 Kg	1.82 Kg	1.28 Kg	3.28 Kg

DV Prompter Pro Wireless Prompting System

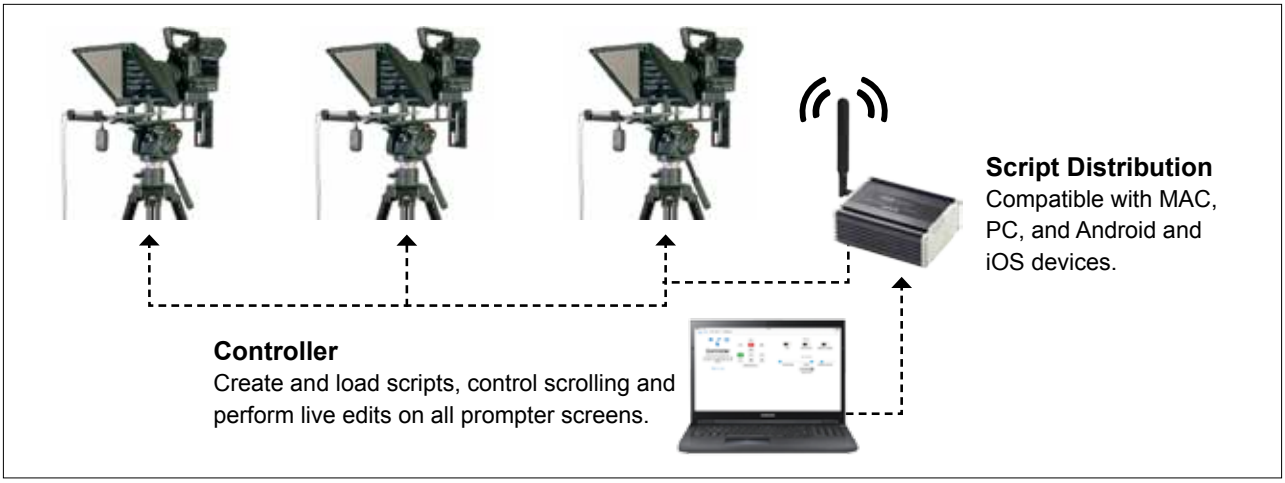
DVP-100

DVP-100 is a wireless teleprompting system designed to centrally control prompter screens. The DV Prompter Pro server creates its own WiFi hotspot ready for you to connect multiple screens, tablets and computers devices and start prompting. Once connected, you simply assign one screen as controller, leaving other tablets as prompting displays. Up to 6 devices can be connected to the server simultaneously. The controller can create and load new scripts, control the scrolling and perform live edits on all prompter screens in real time. All scripts and settings are stored on the dvPrompter server not the devices themselves.

- Multiple prompter screens kept in perfect sync
- Remote control & script management over WiFi
- IOS App available
- Compatible with any device that has a HTML5 compliant web browser
- Embedded rich text editor
- Perform live edits
- Control multiple prompters from one controller
- Scripts are stored on the dv Prompter server's internal storage
- Multiple users can collaborate to the scripts library over IP
- Built in dual band WiFi

DVP-100
Product Video

- Compatible with WR-450 Bluetooth controller to facilitate talent script control
- Small form factor, rack mountable using RMK-2
- 12V DC input



Look Back Kit for Monitor

LBK-2

The LBK-2 is an ideal "look back kit" for mounting monitors to a tripod. The LBK-2 allows users to mount monitors up to 32" with VESA mounting interface.

4 Channel Streaming Encoder/ Recorder

NVS-40

The NVS-40 is a multi-channel video streaming and recording device. It features independent SDI and HDMI inputs, allowing up-to four sources to be recorded to hard drive and streamed independently. It also features external audio input as XLR balanced audio or RCA unbalanced audio.

- Four channel capture and streaming
- H.264/AVC High Profile Level 4.1
- Configurable bit rate up to 30Mbps per channel
- Independent encoder settings for simultaneous streaming and recording
- Built-in de-interlacer
- Built-in video downscaler
- Isolated / PIP / PBP (Picture by Picture) video processing modes
- Dynamic Parameter Settings Adjustment: GOP structure, Frame Rate, Bit Rate

H.264 Video Streaming Server

NVS-30

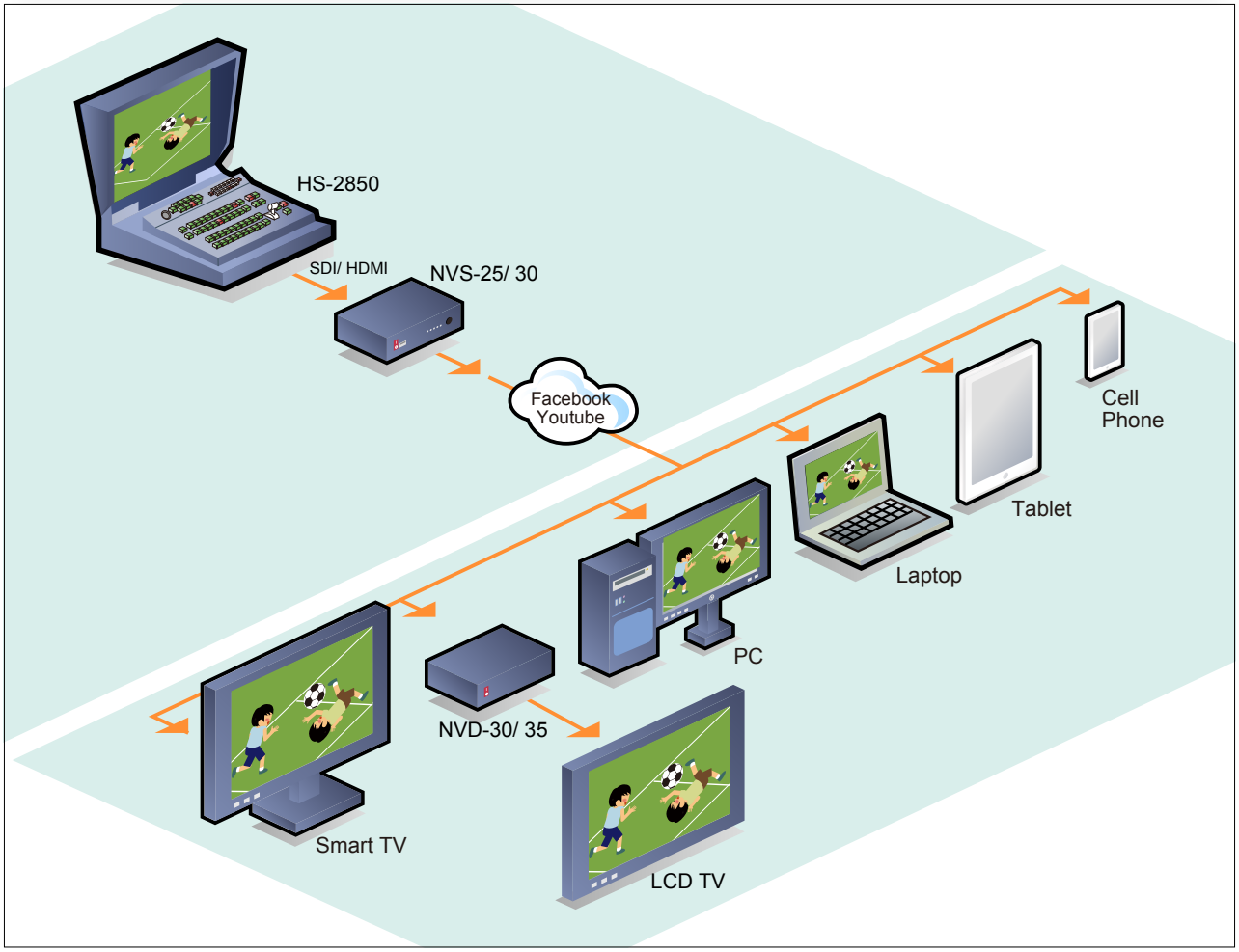
H.264 Video Streaming Server

NVS-25

H.264

The NVS-25 and the NVS-30 are single standalone live streaming and encoding devices. This single standalone device does not require expensive PC or capture cards to provide stable video streaming. Videos can be delivered to various streaming platforms for real time video playback or video on demand streaming.
The NVS-25 accepts HD/SD-SDI, HDMI and Composite video formats. The NVS-30 accepts HDMI video. The two devices allow you to stream and record the video at the same time. The NVS-30 provides advanced record options for high quality videos. Hence, to those requiring high video recording quality, the NVS-30 will be the best tool.
The NVS-25 offers you two professional audio inputs, which can be embedded into video and then embedded for output. To those with special audio needs, the NVS-25 is certainly your best choice.

Model	NVS-25	NVS-30	NVS-40
Product Name	H.264 Video Streaming Server	H.264 Video Streaming Server	4 channel streaming encoder / recorder
Video Input	HDMI x1 SDI x1 CVBS x1	HDMI x1	HDMI x4 (Channel 1 SDI/HDMI selectable)
Supported Video Input Resolution	1080p50/59.94/60 (record/output at 25/30p) 1080i50/59.94/60 720p50/59.94/60 576i, 480i	1080p60/59.94/50/30/29.97/25/24/23.98 1080i29.97/25 720p60/59.94/50	1080p60/59.94/50, 1080p30/29.97/25/24/23.98 1080i60/59.94/50 720p60/59.94/50 480i59.94, 576i50
Video Output	N/A	HDMI x1	HDMI 1.4x1 SDI loopthrough x1
Audio Input	RCA L/R x1 XLR x2	3.5mm phonejack x1	RCA L/R x1 XLR x2
Encode	H.264 Main 3.0/3.1/High4.0	H.264 Baseline/Main/High	H.264/AVC High Profile Level 4.1
Video Bitrate	800Kbps~6Mbp (The same bitrate for recording and streaming)	100Kbps~20Mbps Rec+Stream□30Mbps	Each Channel Rec + Stream 30Mbps
Video Rate Mode	CBR/VBR	VBR	CBR/VBR
Audio Mode	Stereo/Mono	Stereo	Stereo/Mono
Audio Bitrate	Stereo: 64~384Kbps Mono: 32~192Kbps	32~256Kbps	AAC-LC Sample rate: 48KHz, 16bit Configurable bit rate: 128K or 256K or 384K
Recording file format	Transport Stream MP4	MOV MP4	MP4, MOV
Storage	USB x1	USB x2 SD card x1	HDD x1
Power Supply	DC 12V 1A	DC 5V 3A	DC 12V 2A



IP Video Decoder

NVD-30/35

An IP video decoder with HDMI, composite, and analogue audio outputs. The NVD-30/35 decodes all common IP streams including RTP/RTSP, RTMP, UDP, HTTP, and MPEG-TS. It can output SD/HD video at resolutions up to 1080p60. The NVD-30/35 is a perfect partner to the Datavideo NVS-25 H.264 encoder for a full HD point to point video link workflow over Ethernet, WiFi, or the Internet.

- Operates on standard 10/100Mb Ethernet networks
- Unicast and multicast support
- Supports RTP/RTSP (Unicast/Multicast), RTMP, UDP (Unicast/Multicast), HLS and MPEG-TS
- Supports decode from YouTube Live, Ustream, and most major CDNs
- IP, GPI, keyboard, and jog shuttle control
- Supports stream recording and delayed playback
- Supports file based playback from USB with mp4, .h264, .mkv, .mov, and .ts wrappers
- Supports multiple playlists
- Supports NTFS and FAT/FAT32 formatted USB storage
- Channel list download from DVS-100P/DVS-200
- EPG and volume control via IR remote
- Feature-rich WebUI for configuration and control
- Supports Full HD video
- Supports HDMI and composite video outputs
- Supports simultaneous digital embedded and analogue audio outputs

Network Media Player

NVP-20

The Datavideo NVP-20 is a fully automated remotely controlled H.264 video player. Video files can be added to the media player by copying to a USB device or can be transferred over the network using FTP.

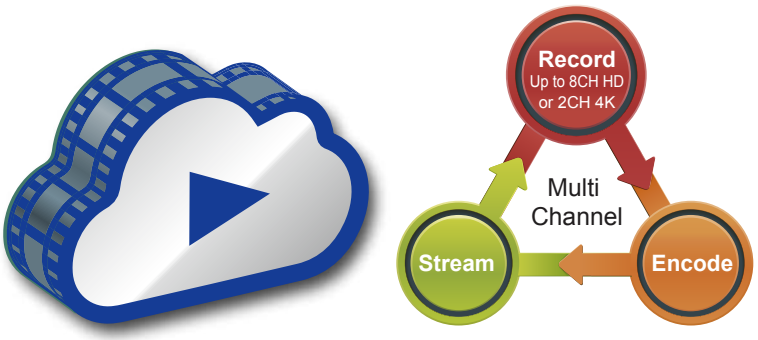
The user can create and load playlists as well as remotely controlling video playback. With the addition of a USB keyboard, the NVP-20's on screen display means the unit can be used without IP control.

Video playback can also be triggered via GPI.

- Operates on standard 10/100Mb Ethernet networks
- Support multiple playlists
- Excellent image quality up to 1080p60
- Supports mp4, H.264,.mkv,.mov, .ts
- IP control supports play next clip, play all clips, loop play all clips, pause, resume and seek
- Supports NTFS and FAT/FAT32 formatted USB storage
- Feature-rich WebUI for configuration and control
- Built-in video scaler
- HDMI and composite video output
- Supports simultaneous digital embedded and analogue audio output
- 12V DC input

DV Streaming Server in the Cloud

DVS-200

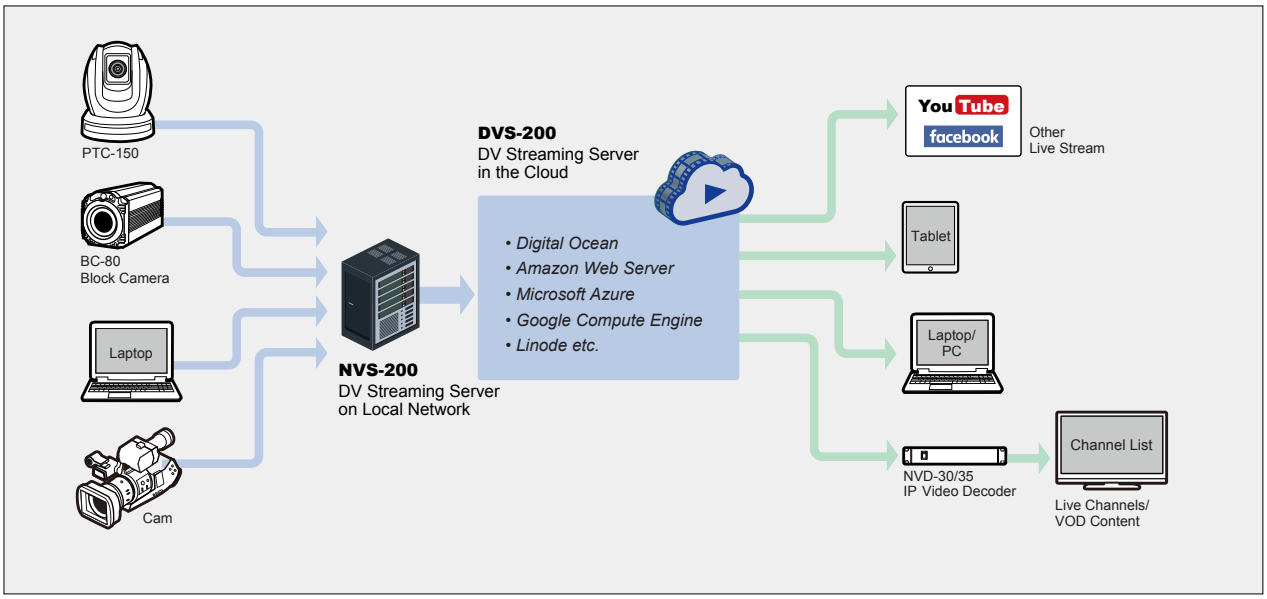


- Media Encoding, Decoding, Recording and Streaming Platform
- Stream directly to devices with our white labelled web player
- Stream to content delivery networks like Youtube Live, Facebook and more
- Distribute streams to other instances of DVS-200 for global coverage
- Record streams in DVS-200 for later on-demand playback
- Run a multi-channel on-demand IPTV network
- Cater for a large audience with high quality real time transcoding options

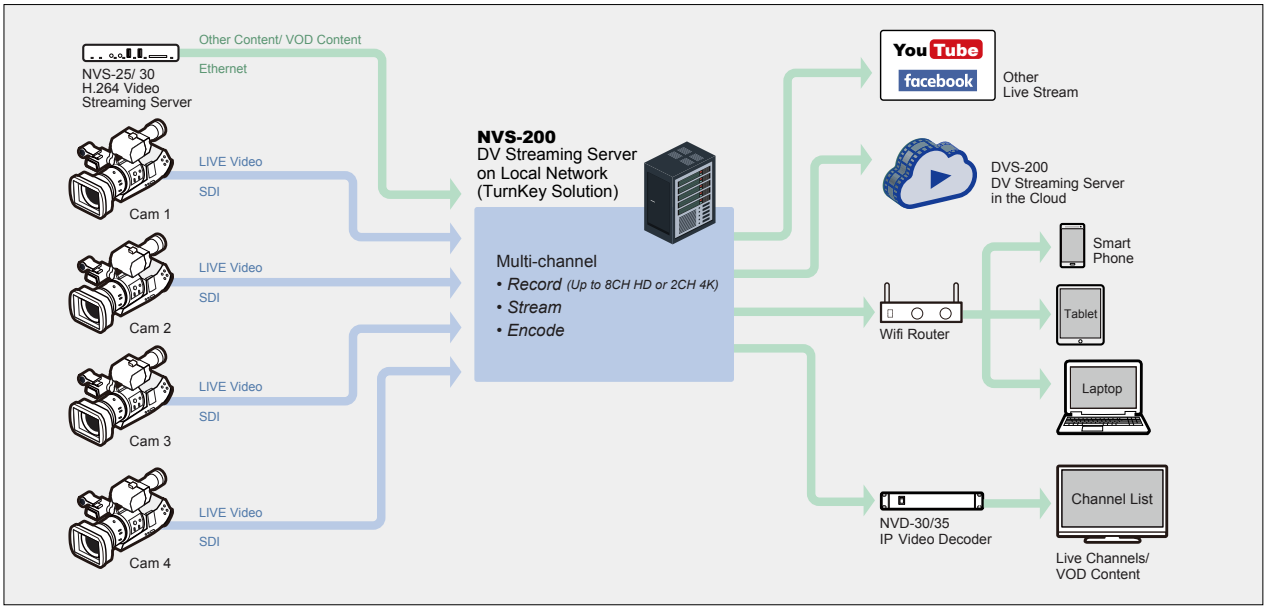
DVS-200 Multi-Channel Streaming - for deployment in the cloud or on local networks, both Live or on Demand.
DVS-200 is a revolutionary streaming platform allowing the user to encode, transcode, record and deliver real time video to multiple devices. DVS-200 comes as a software package or as a fully catered turnkey solution (NVS-200). The only thing you need to do is hook up your sources and start broadcasting.
DVS-200 enables you to encode, decode, record, transcode and deliver your stream to a wide audience. For instance when you want to deliver your presentation to a multitude of devices, in a multitude of qualities on a multitude of platforms. DVS-200 gives you the power to send out streams to mobile phones, different streams to computer based users and again different streams to users on Facebook or Youtube. All in real time. DVS-200 can handle multiple ingestions at the same time, making it a multi-channel recorder as well. The recorded content can be saved on the local hard drive and can be viewed through VOD later. DVS-200 is the first streaming/media delivery platform that brings the user so much freedom and flexibility.
Your presentations and live events can be delivered directly from the source to the screens of your viewers no matter what device they use. The hosted web player supports all mobile and desktop devices, or use the optional NVD decoders unique set to box mode for a true IPTV experience.
With its active directory support integration into your enterprise network couldn't be easier. Whether you are delivering content locally or worldwide DVS-200 has you covered.

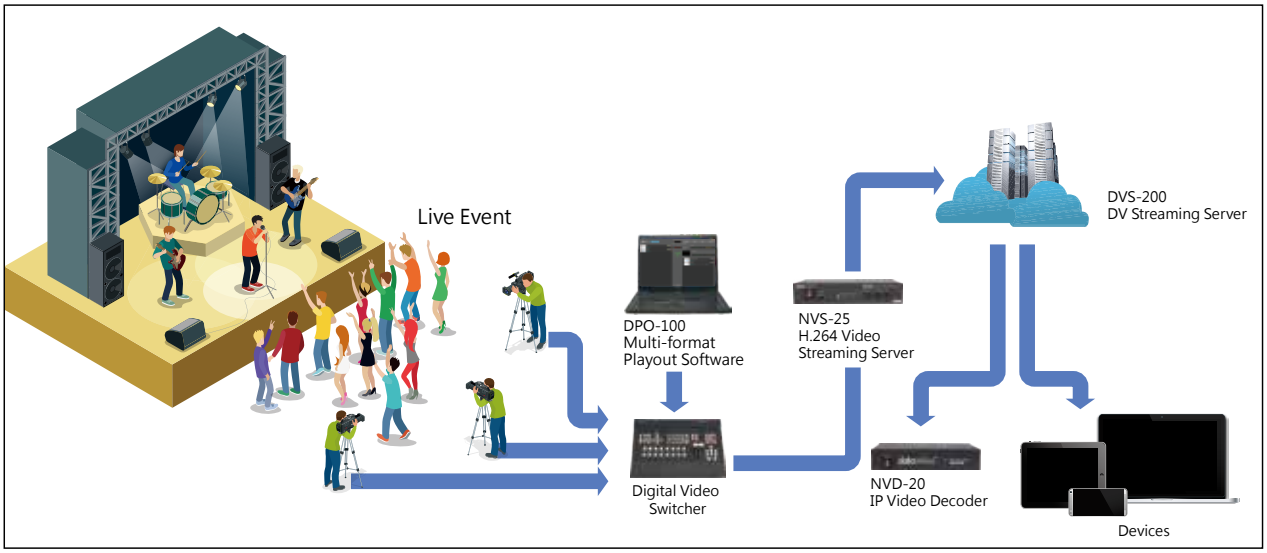
Features	DVS-100	DVS-200
RTMP output	●	●
HLS output	●	●
Easily connnect NVS encoders and NVD decoders over the internet	●	●
Web based video player with embed support		●
Recording		●
VOD		●
Mobile device support		●
NVD-30/35 set top box Support		●
Automatic software updates		●
Logo support		●
Transcoding/Tranwrapping		●
Live stream switching		●
RTMP Push URLs		●
Pull in RTMP, RTSP, HTTP, UDP and TCP		●
Push out RTMP, UDP unicast and multicast		●
Multiple Pull URLs		●
Channel search and groups		●
Multiple user accounts, group and management		●
Customisable web interface		●
Download recordings as FLV, .mp4, .mov		●
Auto publish to VOD		●
Support for Blackmagic input cards		●

DVS-200 in the Cloud



DVS-200 on Local Network (NVS-200)





Intercom System

ITC-100

ITC-100
Product Video

Good communication is vital in any production studio; keeping communication between the director, camera crew, lighting engineer and control room is essential to produce a polished end result. The Datavideo ITC-100 Intercom system provides 8-way talkback and tally indicators. The producer can talk to an individual channel or to all channels simultaneously.
High S/N ratio makes the communication crisp and clear. The ITC-100 is a standard 19/1U rack design, so it is easy to integrate into any rack system for using in the field or studio.

- Standard 19/1RU rack design
- Supports 8-Way talkback (standard package includes 4 sets of ITC-100SL with belt-pack accessories)
- Additional external earphone and microphone interface
- Dual color tally light indicator
- Selectable channel talk, broadcast to all or mute
- Enables clean and clear communication between the camera crew and the director
- Communication distance up to 200m
- Supplied complete with gooseneck mic and light

HP-1 & HP-2A Headsets (Optional)

ITC-100 comes with the standard MC-1 Headsets. Also available are the special HP-1 and HP-2A Headsets.

Single-Side Headset
HP-1

Dual-Side Headset
HP-2A

ACCESSORIES (INCLUDED)

ITC-100SL

Intercom belt pack
4 x ITC100SL cameraman unit including carry case

CB-3/ CB-4

20m/50m 5-Pin Intercom Cable
4 x 20m/50m XLR to XLR intercom cable

TD-3

Tally Indicator
Supplied with 4 x camera-mounted tally lights

CB-7

1.2m GPI Cable
Connection TD-3 tally light with ITC-100 belt pack

MC-1

Microphone Headset
ITC-100 - supplied with 4 headsets.

MC-2/ LP-1

Gooseneck Microphone/ Gooseneck Light
XLR gooseneck mic & light

TALKBACK BELTPACK ITC-100SL

REAR VIEW

5 pin XLR connector provides bi-directional communication, tally signal and power in one cable

Dual Color Tally Light TD-3

TD-3 tally light provides the camera operator and the talent with clear information

HD/SD Chromakeyer

DVK-300HD

DVK-300HD is easy and intuitive to use, delivering great results even in the most challenging environments. Most HD chromakey systems are either complex computer-based solutions or are included in vision mixers with limited keying features. The DVK-300HD is ideal for users that simply need professional featured and affordable live keying in a portable device. DVK-300HD can be controlled by a computer directly or remotely over an IP network. HDMI and SDI inputs make the DVK-300HD perfect in any live environment.

Model	DVK-300HD
Video Standard	3G/HD/SD
Video Format	1080p (25/30/50/59.94/60 Hz), 1080i (50/59.94/60 Hz), 720p (50/59.94/60 Hz), 480i (NTSC), 576i (PAL), Autodetect
Foreground Inputs	1x 3G/HD/SD-SDI, 1x HDMI (1.4)
Background Inputs	1x 3G/HD/SD-SDI, 1x DVI-I
Loop Through	N/A
Output	2x 3G/HD/SD-SDI, 1x HDMI
Keying Options	Chromakey Green / Blue, Lumakey
Key Mask/ Spill Correction/ Edge Correction	Yes
Color Processor	Foreground: Brightness, Contrast, Saturation, Ambient Intensity
Noise Reduction	Yes
User Preset	4
GPI In/Out	N/A
Controlled Via	Ethernet/ RS-232
Chassis	1RU 19" Rack-mount Design

3 Light Portable Lighting Kit

PLK-300

- 3 x 308 LED Bi-Colour Lights
- 3 x Lighting Stands
- Wheeled hard case

4 Light Portable Lighting Kit

PLK-400

- 3 x 308 LED Daylight Lights
- 1 x 160 LED Bi-Colour Light
- 4 x Lighting Stands
- Wheeled hard case

Model	PLK-300	PLK-400
308 LED	3x Bi-Colour	3x Day Lights
160 LED	N/A	1x Bi-Colour
Mains Power Supplies	N/A	4
Lighting Stands	3	4
Wheeled Hard Case	Yes	Yes

Sampling Vector Scope Monitor

VSM-100

VSM-100
Product Video

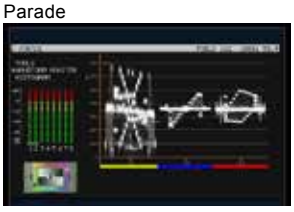
Accurate video signal analysis and calibration has always been crucial to any live production.

Datavideo VSM-100 and VSM-200 waveform / vectorscope monitor series seamlessly integrate into a compact 19 rack system to ensure consistent and legal color and luminance video levels. At 2RU, they are perfect for use in a production van or any space-limited setup.

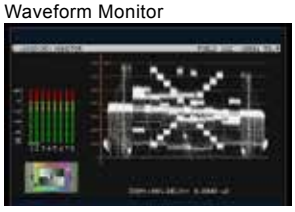
VSM-100 has a single waveform / vectorscope unit while VSM-200 features dual scopes. Both models come with two LCD screens, thus no external monitors are required; as such it's highly cost effective.

- VSM-100: one waveform / vectorscope unit with two 4.3-inch HD monitor screens
- VSM-200: two waveform / vectorscope unit with two 4.3-inch HD monitor screens
- Sampling vectorscope
  - HD/SD-SDI input
  - HDMI and HD/SD-SDI output, SDI output can be assigned as video source loop out or vectorscope display
  - Auto-detect NTSC, PAL and HD signals
  - Support four analysis modes: waveform, vectorscope, parade (YCrCb & RGB) and histogram
  - Save and Recall traces for easy comparison of different video signals
  - Video input thumbnail with selectable 16:9/4:3 aspect ratio
  - Vectorscope reticle can be toggled between 75% and 100%
  - Waveform detail can be zoomed 20%, 40%, 60% and 100% - adjusting horizontal delay to view parts of the waveform
  - Support embedded audio with on-screen audio level meter for up to 8 selecteable channels
- Monitor screens
  - Each monitor has one HDMI and one HD/SD-SDI input with loopthrough output
  - Auto-detect NTSC, PAL and HD input signal
  - Individual adjustments of brightness, contrast, color saturation and back light level for each monitor
  - Support blue only function, safe area marking and Timecode display
  - Support embedded audio on SDI, HDMI
  - Audio monitoring via on-screen audio level indicator and front panel headphone jacks
  - 4:3 & 16:9 display mode switching
- Standard 19-inch rack size, 2RU height, easy for system integration

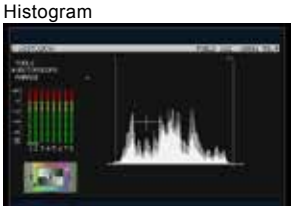
Parade



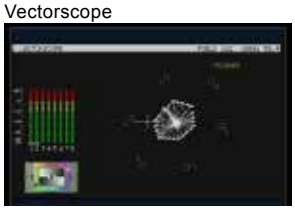
Waveform Monitor



Histogram



Vectorscope



	VS-100	VS-150	VSM-100	VSM-200
Product Name	Waveform/ Vector Scope	Waveform/ Vector Scope	Waveform/ Vector Scope	Waveform/ Vector Scope
Video Inputs	1x HD/SD-SDI	1x HD/SD-SDI	1x HD/SD-SDI	2x HD/SD-SDI
Video Outputs	1x HDMI	1x HDMI	1x HD/SD-SDI, 1x HDMI	2x HD/SD-SDI, 2x HDMI
Loop Through	1x HD/SD-SDI	1x HD/SD-SDI	N/A	N/A
Audio Inputs	Embedded Audio through SDI interface			
Audio Outputs	1x 2-Channel 3.5mm stereo phone jack			
Input Resolutions	1080i (50, 59.97, 60Hz), 1080p (24, 25, 30Hz), 720p (25, 29.97, 30, 50, 59.97, 60Hz), 576i, 480i			
Additional I/O	---	---	LCD 1 & LCD 2 input: SDI, SDI Loop thru & HDMI	

Audio Delay Box with Level Adjustment

AD-200

Datavideo AD–200 combines 6-channel audio delay with a matrix mapping function for its 4-channel output audio mixer. The system is made up of a front panel and main unit, 2 separate 1RU units which can be easily installed in an OB Van or customized rack.

AD-200 features a 6-CH audio mixer with level adjustment and audio delay capabilities. The matrix-type audio mapping function allows a combination of multiple audio input channels into one or more output channels. Up to 3 seconds of delay are available to synchronize audio with video.

AD-200 is user-friendly with a clear OLED display and supports 2 audio inputs for a microphone or line input.

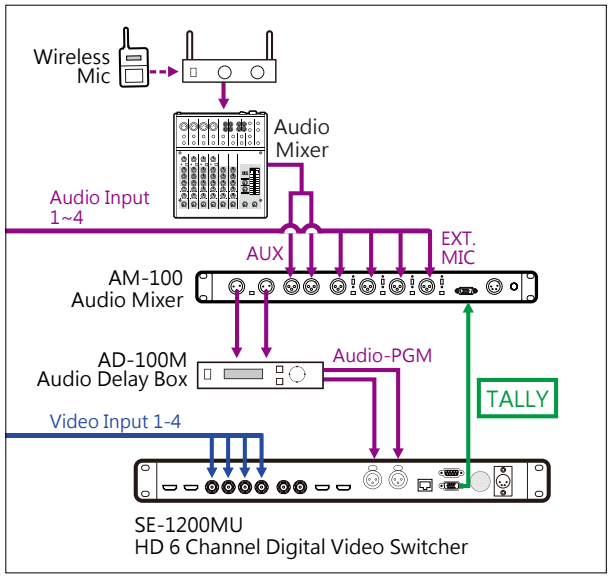
Audio Delay Box with Microphone Input

AD-100M

AD-100M is a single channel audio delay box, enabling synchronisation of audio and video.

The unit features RCA (phono) connector as well as XLR type connection. Built in a rugged metal housing for use in the field or studio.

- RCA (phono) connector as well as XLR type
- Output volume attenuating 0-60dB
- Audio delay time from 0-700ms 1KHz tone output
- 1x XLR mic in



Model	AD-200	AD-100M
Audio Input	6x XLR, 2x RCA	3x XLR (2 for Line-in, 1 for Mic-in), 2x RCA
Audio Output	4x XLR, 2x RCA, 1x 3.5mm	2x XLR, 2x Unbalanced RCA
Audio Indicator	1.77" Color OLED	SMT LCD
Audio Delay	Up to 3 Seconds	Up to 700ms
Special Feature	Audio Delay and Mix, delay by channal	N/A
Chassis	2 units, rack-mount mainframe	Rack-mountable with RMK-1 Rackmount Kit
Power	DC 12V 19W (front) / DC 12V 16W (rear)	DC 12V 18W

Camera Power Center

PD-6

PD-6 is a 19-inch, rack mountable, universal AC to DC Power Distribution Center, designed to supply steady and sequenced voltage for production kit while on location or in the studio.
Perfect for use in conjunction with studio equipment and the CB-22H / CB-23H via a single power cable. Each of the eight outputs can be configured individually, DC48V, 24V, 14.4V & 12V, with a total power consumption of 360W.
PD-2A 400 watts 1RU 19 rack Power Distribution Center provides a steady power supply for studio equipment, such as the video switcher, monitors, recorders and intercom system. It features auto-switchable inputs of AC 110V/220, a UPS interface and DC 12V ports.
PD-2A has 4 12V/3A terminals, two 12V/5A terminals, two 12V/10A terminals (shared) and XLR DC outputs. It provides up to 400 Watts.
The PD-2A adds reliability to studio equipment and consolidates power supplies and cabling.
Datavideo PD-4A Power Distribution Center comes with two AC power supplies to provide instant fail-over redundancy. PD-4A provides multiple DC 12V outputs. The automatic port control sequencer intelligently initiates each output to ensure the power supply on start-up.
The PD-4A can also be powered from a regulated DC 12V power source. It can run from a car or van's power outlet with the use of a suitable regulator.

Model	PD-2A	PD-4A	PD-6
Product Name	Power Center	Redundant Power Center	Camera Power Center
AC input	100~240 VAC (50Hz or 60Hz) AC input outlet: One AC input with Power Switch	100~240 VAC (50Hz or 60Hz) AC input outlet: Two AC inputs & Two Power Switches	100~240 VAC (50Hz or 60Hz) AC input outlet: One AC input with Power Switch
DC Backup Input	One DC 12V/32A supports non-regulated DC 12V output	One DC 12V/25A supports non-regulated DC 12V output	N/A
DC Outputs	8 12V±5%, 3A XLR DC Female Jack x4 12V±5%, 5A XLR DC Female Jack x2 12V±5%, 10A XLR DC Female Jack x2	5 12V±5%, 5A XLR DC Female Jack x3 12V±5%, 10A XLR DC Female Jack x1 (share of two XLR DC Jack)	8 30W:12V(2.5A), 14.4V(2A), 24V(1.25A), 48V(0.6A) 60W:12V(5A), 14.4V(4A), 24V(2.5A), 48V(1.25A) PIN 1:GND PIN 2:DC OUT PIN3/4:NC
Max. Power Rating	400W	360W	360W
DC Overload	DC overload protection, auto-recovery fuses on each DC output terminal	DC overload protection, auto-recovery fuses on each DC output terminal	Protection type: Recovery automatically after fault condition is removed
AC Overload	non-recovery fuse on the AC input outlet	non-recovery fuse on the AC input outlet	non-recovery fuse on the AC input outlet
LED Indicator	8 DC output LED indicators	Green LED: Unit under working condition Red twinkle: AC Input failed 1~4 XLR DC outputs LED indicator	LED Color Indicator: Red:48V, Weak Red:24V, Green:14.4V, Blue:12V
Power source Input Select AUTO/AC	Selectable of Auto/AC input switch	Selectable of Auto/AC input switch	N/A

DC to DC 12/8.4/7.2V 4A Converter

DDC-4012H

A stable power supply is vital for safely operating cameras on external power.
Datavideo DDC-4012H DC to DC converter is a solution that converts DC 15V~50V to 12/8.4/7.2V power output in order to protect camcorder with stable power

- Aluminium housing
- DC12V +/- 3%
- Velcro for mount on tripod

		DDC-4012H
Input	Voltage Range	15V~50V DC
	Efficiency(Typ.)	UP TO 85%
Output	DC Voltage	7.2V / 8.4V / 12V
	Voltage Tolerance	±3%
	Rated Current	4 A
	Current Range	0~4 A
	Rated Power	48W
	Ripple & Noise(Max)	<400mV
Protection	Over Load	105%~150% rated output power
		Protection type: Recovery automatically after fault condition is removed
Connector	DC Input (4Pin XLR Male)	PIN 1:GND, PIN 2: DC IN, PIN3/4: NC
	DC Output(4Pin XLR Female)	PIN 1:GND, PIN 2/3:NC, PIN4: DC OUT
	DC Output (5.5Mm DC Jack)	Center: DC OUT , Shell: GND
Environment	Working Temp	0°C to 40°C (32°F to 102°F)
	Working Humidity	10% to 90% (non condensing)
	Storage Temp.humidy	-40°C to +85°C, 10~95% RH
Others	Dimension	115 mm x 50 mm x 35 mm (L x W x H)
	Weight	Approx. 0.3 kg/ 0.66 lbs
	Cable	UL 2464 ,18AWG, L=1M
	Slide Switch	Selected 7.2V or 12V output
	LED Lamp	RED:DC out 12V, Green: DC out 7.2V, Orange: DC out 8.4V

SDI Audio De-embedded Box

DAC-90

DAC-90 is an audio de-embedder box that allows users to de-embed 16 analog audio signals (4 at a time) from SDI video signal.
It features 3G/HD/SD-SDI to support up to 1080p/60 video, automatically detecting and switching between different formats, and provides 4 mini XLR audio connectors for outputting analog audio to audio devices such as, recorders, switchers, and audio mixers.
The Audio box also has SMPTE and EBU settings.

SDI Audio Embedded Box

DAC-91

DAC-91 is an audio embedder that allows users to embed 2 channels of analog audio into an SDI video signal.
It features 3G/HD/SD-SDI to support up to 1080p/60 video, automatically detecting and switching between different formats, and provides mini XLR and RCA audio connectors for inputting embedded analog audio.
The audio box also has audio level adjustment.

Model	DAC-90	DAC-91
product name	SDI Audio De-embedder	SDI Audio Embedder
SDI Video Input	3G/HD/SD SDI x 1	3G/HD/SD SDI x 1
SDI Video Output	3G/HD/SD SDI x 1 (Re-clocked Loop through)	3G/HD/SD SDI x 2
Analog Audio Input	N/A	Mini XLR (balanced) x 2 ,RCA (unbalanced) x 2 * Mini XLR1 & RCA1 mixed to CH1 * Mini XLR2 & RCA2 mixed to CH2
Analog Audio Output	Mini XLR (Balanced) x 4	N/A
Indicator	Power LED x 1 Audio Level LED : 4 rows	Power LED x 1 Audio LED : 2 rows
Updates and Configuration	Mini USB x 1	Mini USB x 1
Audio Format Selection	SMPTE, EBU	SMPTE, EBU
Gain	N/A	Yes

Audio Isolation Transformer

DAC-80

DAC-80 is designed to remove hum and buzz created by ground loops. Voltage differences between different pieces of equipment cause small AC power currents to flow within the shield of audio cables. Capacitance issues can also introduce small current flows within the cable shield. Both problems will create hum in audio signals. DAC-80 delivers the clean audio signal you need, yet remains transparent within the production chain.

Balanced/ Unbalanced Audio Converter

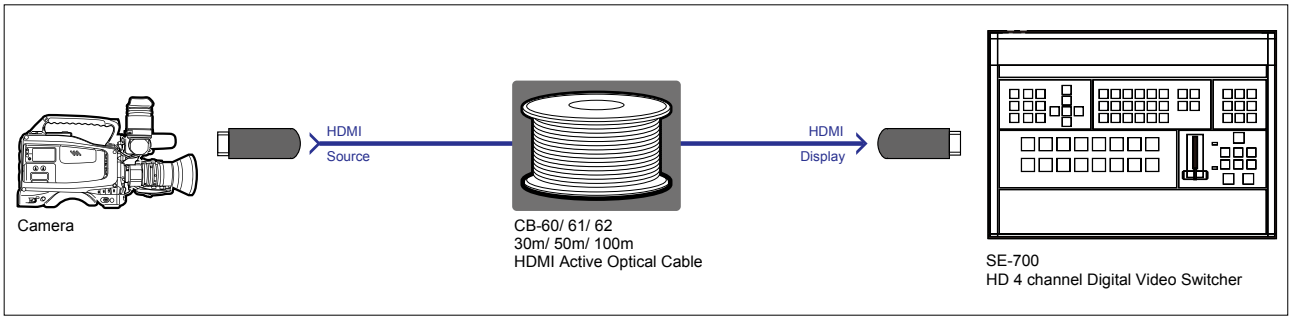
BAC-03

- Stereo Balanced Audio In / Out via XLR Sockets
- Stereo Unbalanced Audio In / Out via Phono Sockets
- Robust Metal Construction
- DC12V Power Adapter

HDMI 30m/50m/100m Active Optucal Cable

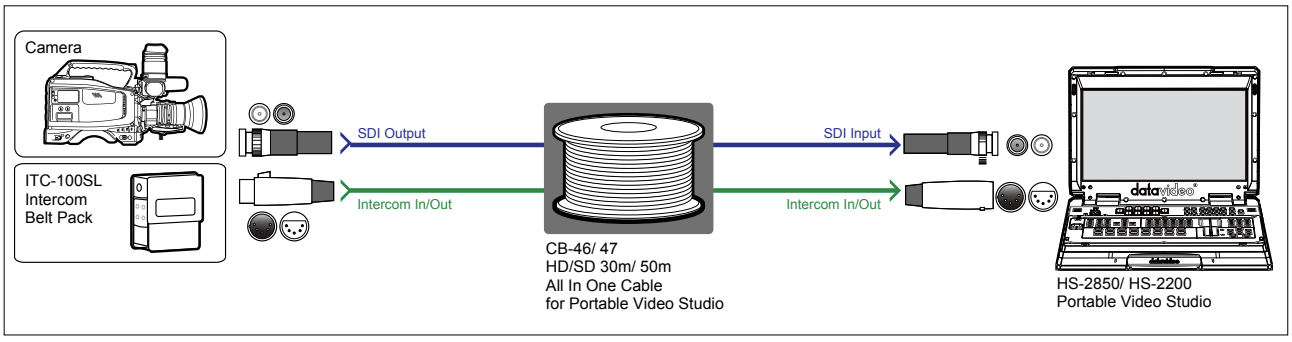
CB-60/ 61/ 62

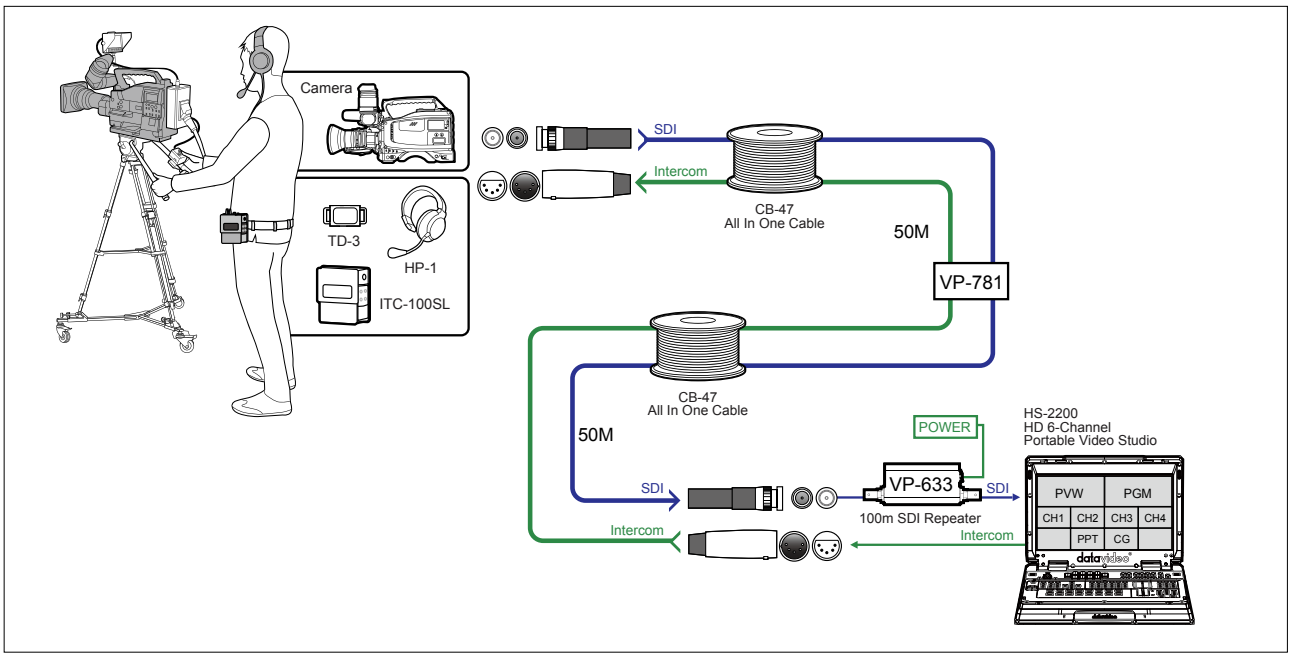
CB-60/61/62 are HDMI active optical cable (AOC) with high performance, low power consumption and low cost. Using optical fiber to replace copper wire as the high-speed signal transmission medium, the cable can perfectly transmit 4K@60Hz UHD image up to more than 100 meters. Compared with the traditional copper wire, the cable is much longer, softer, more slim, with better signal quality and perfect EMI/EMC feature. The cable is easy to use, has perfect compatibility and no external power supply needed.



HD/SD 30m/50m 2-in-1 Cable (HD-SDI/ITC)

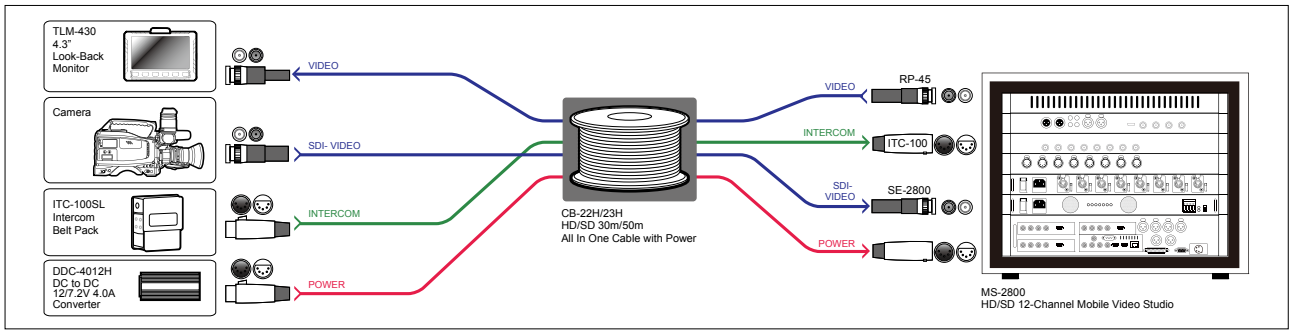
CB-46/ 47





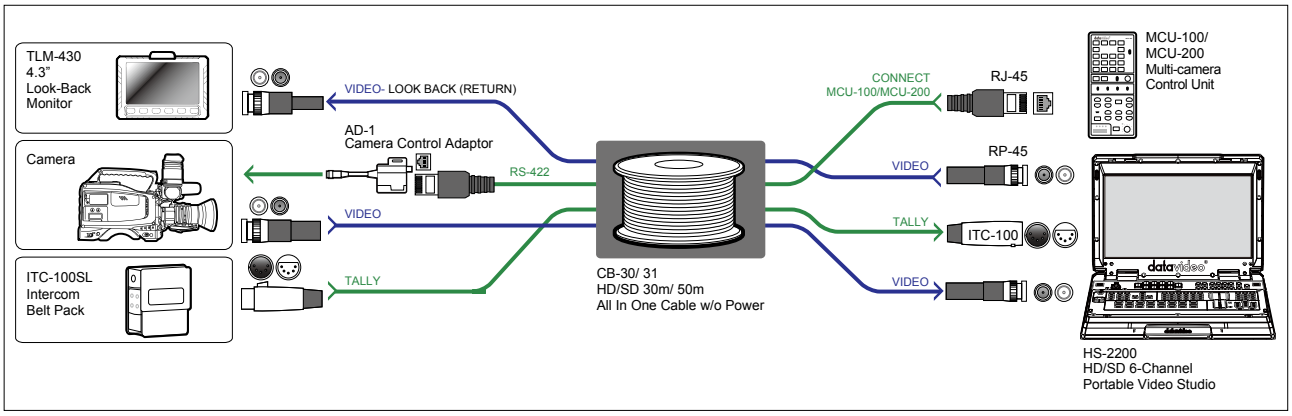
HD/SD 30m/50m 4-in-1 Cable (HD-SDI/ITC/CV/DC Power)

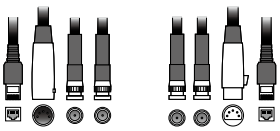
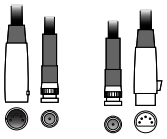
CB-22H/ 23H



HD/SD 30m/50m 4-in-1 Cable for Multi-Camera Control (HD-SDI/ITC/CV/Cat-5)

CB-30/ 31



Model	CB-22H/ 23H	CB-30/ 31	CB-46/ 47
			
Product Name	HD/SD All In One Cable with Power	HD/SD All In One Cable w/o Power	HD/SD All In One Cable for Portable Video Studio
Interface	- 1 x 4-pin XLR power cable (pin1+/pin2-) - 1 x 5-pin XLR ITC/Tally cable - 1 x 75Ω BNC for HD/SD SDI video - 1 x 75Ω BNC for CV return video	- 1 x 5-pin XLR ITC/Tally cable - 1 x 75Ω BNC for HD/SD SDI video - 1 x 75Ω BNC for CV return video - 1 x CAT-5 cable for Camera control	- 1 x 75Ω BNC for HD/SD-SDI video (3 C2V) (CB-46/ 47) - 1 x 5-pin XLR ITC/Tally cable
Length	CB-22H: 30m, CB-23H: 50m	CB-30: 30m , CB-31: 50m	CB-46: 30m, CB-47: 50m
Repeater	VP-605H	VP-633 and VP-634	VP-633,VP-634 and VP-781
Applications	- Intercom & Tally - DC Power 12~48V - Up to 1080i video transmission (HD/SD-SDI) - Return video for Look Back monitor - Datavideo OBV or Mobile Studio	- EFP Multi-camera Operation - Mobile Video Studio - Up to 1080i video transmission (HD/SD-SDI)	- Intercom & Tally - Up to 1080i video transmission (HD/SD-SDI) - Range of Datavideo Mobile or Portable Video Studio

1x4 4K HDMI Distribution Amplifier

VP-840

- Supports 4K2K@60 4:4:4 8bits
- Supports High Dynamic Range, which is 4K2K@60 4:2:0 10bits
- Video bandwidth: 18 Gbps
- Wide frequency range: 25MHz~600MHz
- HDMI 2.0a compliant, HDCP 2.2 and 1.4 compliant
- Supports Deep Color & 3D
- Supports Dolby Digital, DTS-HD and Dolby TrueHD audio
- Supports default EDID and EDID learning from display
- Front panel LED indicators

2x6 3G HD/SD-SDI Distribution Amplifier

VP-597

- 2 x 3G/HD/SD-SDI inputs
- 6 x 3G/HD/SD-SDI distribution outputs
- Supports embedded audio SDI
- Supports video formats:

- 3G-SDI | HD-SDI: 1080p 50/59.94/60/ 23.98/24/25/30
- SD-SDI 1080i 50/59.4/60/525i /625i/720p/50/59.94/60

- Two input video sources can be controlled by A/B switch or GPI remote

1x4 HD/SD-SDI Distribution Amplifier

VP-445

- Four way HD/SD-SDI distribution amplifier with embedded audio
- Supports Multi-Standard of HD-SDI (SMPTE 292M), SD-SDI (SMPTE 259M and SMPTE 334M)

HD/SD SDI and Intercom Repeater Box

VP-781

The VP-781 HD/SD-SDI with Intercom repeater is designed to cascade CB-46/ 47/ 48 cables, extending the transmission range of video, audio and intercom signals. To connect VP-633 that the VP-781 is able to extend video up to 200M.

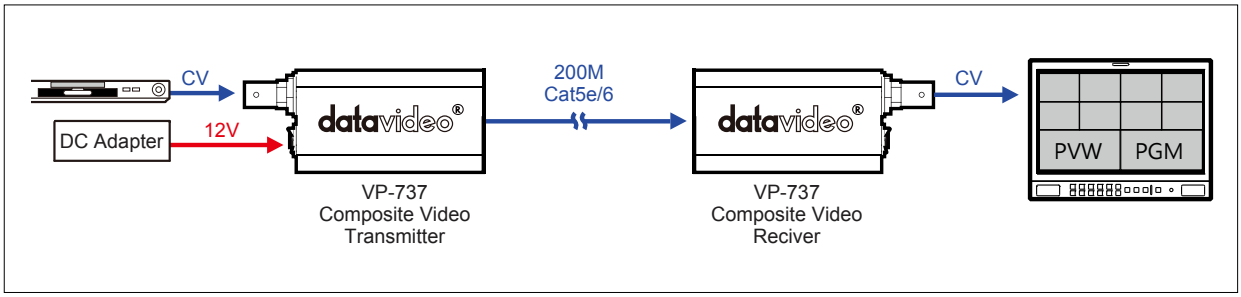
- Extend HD/SD-SDI, Intercom and Tally signal up to 200m
- Cascade CB-46/ 47/ 48 All in one cable for signal extension
- Incorporates VP-634 HD/SD SDI Repeater inside and 5Pin XLR Intercom pass-through

Composite Signal Repeater

VP-737

Extend a composite signal up to 200 meters away over a Cat5e (or better) cable. With no software configuration requirements, the installation and setup is quick and hassle-free.

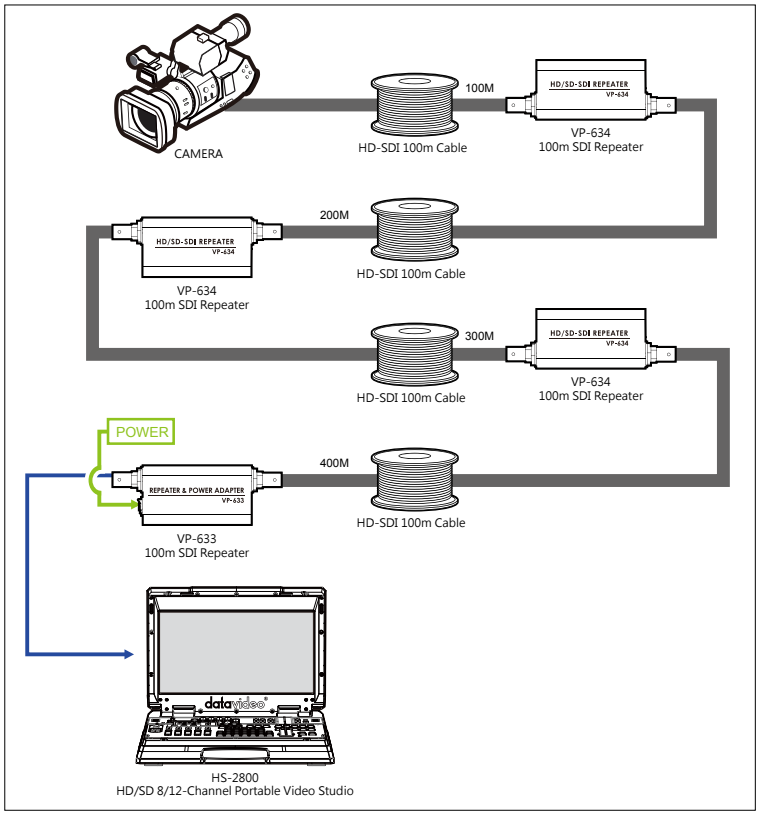
- Wired composite video transmission as far as 200 meters
- Completely adaptive - quick, easy installation and setup, no configuration required
- Cat5e extension design make use of existing Cat5e or better wiring infrastructure



100m SDI Repeater (Unpowered/Powered)

VP-634/ 633

VP-633/VP-634 SDI repeaters can significantly extend the maximum cable run of standard SDI cabling.
Up-to 4 SDI repeaters can be used in one chain, allowing runs of up to 1000m SDI video through good quality SDI cable.
Each run must contain a VP-633 as this has a power connection to supply power through the SDI cables which then powers the subsequent VP-634's (which do not require additonal power).
For applications where runs of a few hundred meters HD-SDI video are required (concert hall, sports stadium etc.), the Datavideo VP-633 & VP-634 are a very cost effective solution.



All In One Cable Extender

VP-605H

The all-in-one signal repeater provides composite video, power, and intercom connections. It's perfect for use with the CB-22H / CB-23H cables.

Model	VP-605H	VP-633/634	VP-737	VP-781
Product Name	All In One Cable Extender	100m SDI Repeater	Composite Signal Repeater	HD/SD-SDI Repeater
Video and Signal	Input: HD/SD-SDI、CV、Talkback, Tally, DC in Output: HD/SD-SDI、CV、Talkback, Tally, DC out	Input: HD-SDI/SD-SDI Output: HD-SDI/SD-SDI	Transmitter - CV Input (BNC) - DC Input - CAT 5 Output (RJ-45) Receiver - CV Output (BNC) - CAT 5 Input (RJ-45)	Input: HD/SD-SDI, Talkback,Tally Output: HD/SD-SDI, Talkback,Tally
Standard	SD: SMPTE 259M HD: SMPTE 292M	SD: SMPTE 259M HD: SMPTE 292M	SD: SMPTE 259M	SD: SMPTE 259M HD: SMPTE 292M
Video Format	SD: 480i, 576i HD: 720p 50/59.94/60 1080i 50/59.94/60 1080p 24/25/30	SD: 480i, 576i HD: 720p 50/59.94/60 1080i 50/59.94/60 1080p 24/25/30	625i PAL, 525i NTSC	SD: 576i PAL, 480i NTSC HD: 1080p 24/25/30 1080i 50/59.94/60 720p 50/59.94/60
Audio	SDI Embedded Audio	SDI Embedded Audio	N/A	SDI Embedded Audio
Power	DC 25V ~ 48V	DC 12V ~ 25V (VP-633 only)	DC 12V	N/A

3D Tracking Virtual Studio System

TVS-2000A

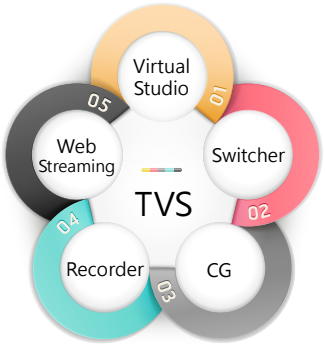
TVS-2000A are the world's first true 3D tracking virtual studios that utilize PTZ camera position tracking for a truly lifelike and convincing virtual experience. Using a 3D studio with PTZ tracking is another game changing invention of Datavideo that helps the end user create high-end productions in a cost effective way.

This 3D virtual studio is available in two formats. A regular rackmount 4RU PC chassis is available to be built in into your existing studio. And for the first time ever we've built a handcarry version of one of our virtual studios. This is ideal for training and production companies that work on location with clients. The handcarry version houses the full system, control panel and a monitor in a compact flightcase. Setting up this virtual studio is as easy as setting up a regular PTZ camera production. Because of the real-time camera tracking, you don't need a tracking jib or crane. This solution will bring high-end virtual studio production into your school, local TV station or business for the first time. If you're not using a Datavideo PTZ camera you can use this system in trackless mode. This means that you can create simulated camera movements.

The TVS range includes: virtual studio, switcher, character generator, recorder and streaming functionality. These features are available throughout our complete 2D and 3D line up. New virtual sets can be created easily with the built in Virtual Set Wizard software. Datavideo has an extensive online library of virtual set templates. Visit www.datavideovirtualset.com for details.

- World first and only 3D tracking virtual studio system using PTZ camera as tracking camera
- TVS-2000A integrated 3D tracking virtual studio system in a RMC-280 control panel included for live virtual show and cameras control.
- Supports tracking virtual studio and trackless virtual studio simultaneously
- With 2 channels SDI input, users can simulate 4 camera studio operation (Trackless Mode)
- All 4 virtual cameras have real pan, tilt, zoom movements
- 1 channel HDMI AUX input for powerpoint from laptop, or any other live video sources
- Supports mini phone jack audio input, can embed external audio into SDI/HDMI PGM output
- 2 x DSK to add CG and animations to the scene
- HVS-2000A and TVS-2000A come with 10 function keys (F1-F10), can help to set quick animation, change scene or media content. Making production easier
- Chromakey wizard helps to achieve perfect keying effect
- Built-in free Virtual Set Wizard and massive amounts of 3D objects to guiding user step by step to build up a customized 3D virtual studio
- More virtual set background and 3D objects database online for download on www.DatavideoVirtualSet.com
- Amazingly high CP value, suitable for all kinds of user from schools, TV stations to personal production studios

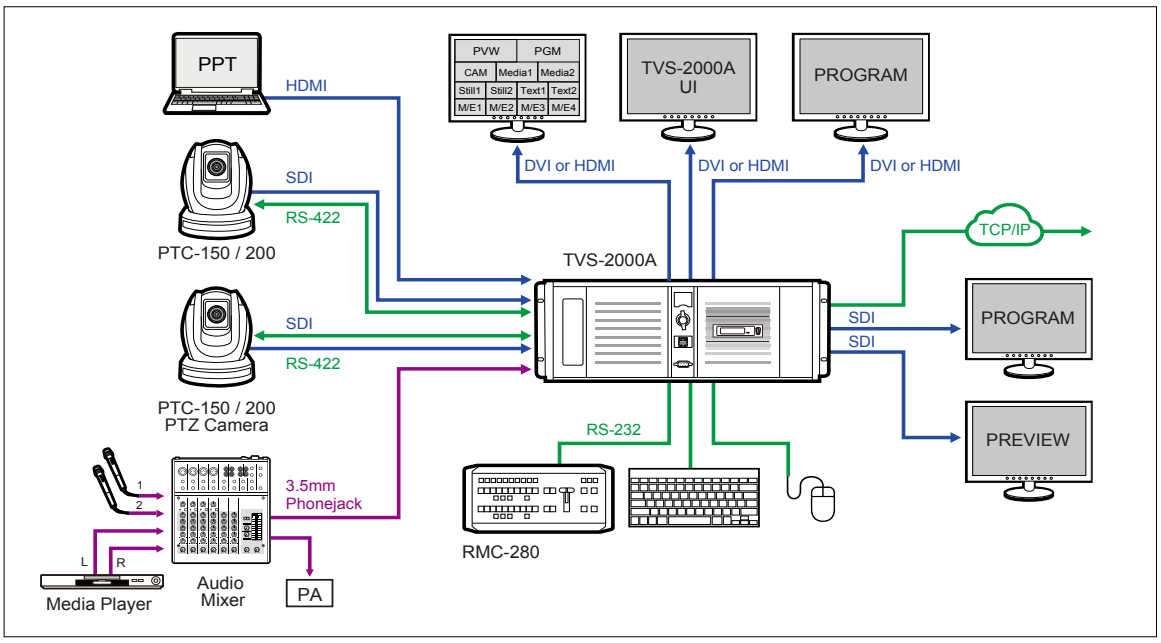
TVS-2000A Key Functions



3D tracking virtual studio system using Datavideo PTC camera as tracking camera, setup a tracking virtual studio fast and easy.

TVS-2000A aalso has Virtual Studio, Switcher, Character Generator, Recorder and Streaming functions built-in.

Built-in free Virtual Set Wizard and massive amounts of 3D objects to guiding user step by step to build up a customized 3D virtual studio



TVS-2000A Control Panel

RMC-280

RMC-280 TVS-2000A controller provides users with easy control of the TVS-2000A trackign Virtual Studio System.

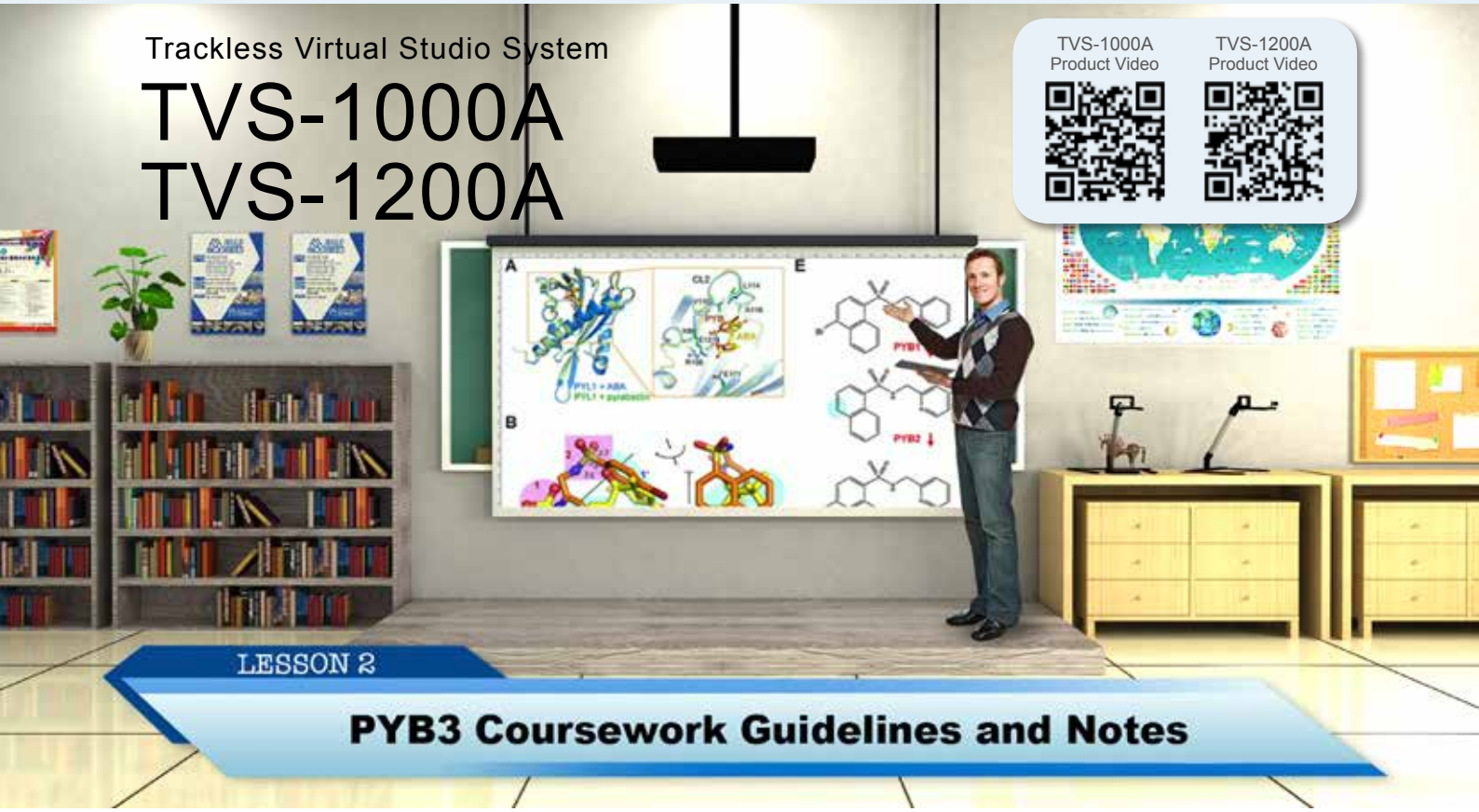
RMC-280 equipped with video sources switching, PTC camera control and 10 function keys, which can directly control and trigger the assigned function by pressing the corresponding key.

Trackless Virtual Studio System

TVS-1000A
TVS-1200A

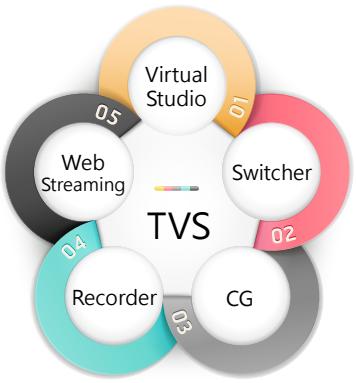
TVS-1000A Product Video

TVS-1200A Product Video



The TVS-1000A and TVS-1200A are 5-in-1 systems which consists of a trackless virtual studio system, video switcher, character generator, video recorder and web streaming encoder. It's a versatile, easy to use and cost-effective solution. TVS-1000A and TVS-1200A are suitable for production companies, corporate producers, users in education, small studios and TV stations.

As a virtual studio solution, TVS-1000A and TVS-1200A support pan, tilt and zoom camera movements for dynamic effect. The built-in Virtualset Maker allows users to fully customize their sets: users can easily insert background images, add logos to any surface, and run video in the backdrop. In addition, users can download professional studio templates on http://www.datavideovirtualset.com



- Five in One: lower case
- 10-ch switcher by 2 HDMI input (TVS-1000A) or 11-ch switcher by 2 SDI + HDMI inputs (TVS-1200A)
- 4 virtual camera operation, each camera supports 3 phases (pan, tilt, zoom movements)
- Mini phone jack audio input, audio embedded to PGM HDMI output
- 2 x DSK to add CG and animation to the scene
- Chromakey function delivers perfect keying
- 30 free virtual set backgrounds are included
- TVS-1000A control panel (RMC-220) included
- Virtualset maker software is included.

TVS-1000A/1200A Main Unit with Control Panel RMC-220

RMC-220 TVS-1000A/1200 controller provides users with easy control of the TVS-1000A/1200 lower case.

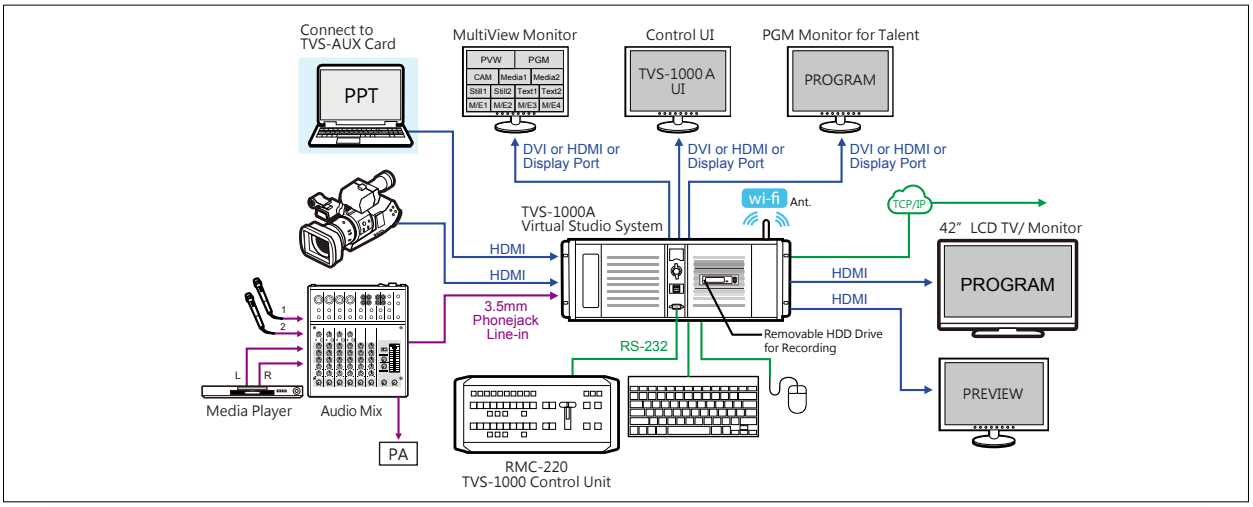
RMC-220 equipped with 10 function keys, which can directly trigger the assigned function by pressing the corresponding key.

TVS-1000A and TVS-1200A Key Functions

With one camera input (TVS-1000A) or two camera inputs (TVS-1200A), TVS trackless virtual technology can simulate up to four cameras with different shooting angles. Each camera has its own natural pan, tilt, zoom movement just like real camera actions.

TVS series includes the free virtual set maker software to create your own virtual set.

Live stream your show! Click one button, and your show is online. Most common streaming services are pre-configured within the system. Alternatively, you can customize your preferred service.



Model	TVS-1000A	TVS-1200A
Tracking/Trackless	Trackless	Trackless
Video Input	HDMI x 2	SDI x 2 + HDMI x 1
Video Output	HDMI x 1	SDI x 2
Video Input/Output Format	1080p 30/29.97/25 1080i 60/59.94/50 720p 60/59.94/50	1080p 60/59.94/50/29.97/25 1080i 60/59.94/50 720p 60/59.94/50
Audio Input	Mini Phone Jack x 1 HDMI audio embedded	Mini Phone Jack x 1 SDI audio embedded x 2
Operation Monitor	DP x2, HDMI x1, DVI x1 (Choose 3 from 4)	DP x1, HDMI x1, DVI x2 (Choose 3 from 4)
Tally	No	Yes
Downstream Key	2	2
Media	2(DDR)	2(DDR)
Free Virtual Set	Unlimited download from datavideovirtualset.com	Unlimited download from datavideovirtualset.com
Still Picture	2	2
Still Text	2	2
Keyer	Chromakey/ Luminance key	Chromakey/ Luminance key x 2
Recording	H.264 / MPEG-2	H.264 / MPEG-2
Live Streaming	TS HTTP/ TS RTP/ TS UDP TS RTSP/ FLV HTTP/ FLV RTMP	TS HTTP/ TS RTP/ TS UDP TS RTSP/ FLV HTTP/ FLV RTMP
Hard Disk Capacity	1TB	1TB+240G SSD

TVS-1200A Key Applications

Two SDI camera inputs provide more flexibility and creative videos. TVS-1200A is perfect to use in talk shows and the broadcast market.

Two Cameras in Studio

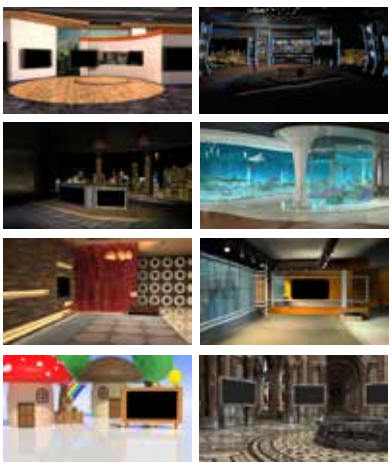
Having two cameras in a virtual studio system can help you to make your show more vivid.

datavideo VIRTUALSET

Free Virtual Set

datavideovirtualset.com

Download free virtual set backgrounds from datavideovirtualset.com



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