

**datavideo**

**AV SOLUTIONS GUIDE**  
2019





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# 3 YEAR WARRANTY

One of the core values of Datavideo is service. To make sure that every user of Datavideo equipment has a trustworthy experience we do our utmost best, day after day, year after year. We are confident that our products give you reliable service and we seal that confidence by a one year warranty period.

On most products, it's possible to extend that warranty for extra two years after registering. Please make sure to register your Datavideo product directly after purchasing for a 3-year warranty.





# MISSION STATEMENT

Based in Taipei, Datavideo engineers, designs and manufactures a wide range of innovative technologies for the Broadcast, AV, Live Events, and Education markets. Datavideo brings high-end product features to customers that want cost-effective solutions, broadcast quality performance, and world-class reliability. In a fast-changing market with increasing demands, Datavideo's innovative solutions that are developed in-house allow users to invest in the latest technology at affordable prices.

Datavideo has spread globally, with subsidiaries in America, Canada, Netherlands, Singapore, Hong Kong, India, France, and China. With regional offices in North America, Europe, the Indian sub-continent and South East Asia, and a global network of distributors, Datavideo delivers full support to resellers, end users, and integrators.



# SINGLE WIRE PRODUCTION

Datavideo demonstrates a very compact, easy to install and user friendly set.

The HS-1600T is a mobile switcher that can be taken anywhere and is installed in just seconds.

The PTC-140T is a compact but broadcast grade pan/tilt/zoom camera that can be easily mounted on a tripod. HDBaseT connections ensures you that you only have to use a single cable between the switcher and the camera, without the use of local power. This set contains everything you need for a production with up to three cameras, including streaming equipment.





### **HS-1600T**

#### 4 Input HDBaseT Mobile Streaming Studio

- Built-in HDBaseT technology allows you to run power, uncompressed video, camera control, and tally over a single CAT6 ("network") cable
- Built-in H.264 streaming encoder and recorder for seamless broadcasting on the internet
- Supports 3 HDBaseT cameras and 1 HDMI input for titles or external source
- Built-in camera controller with a joystick and preset buttons
- Built-in audio line in and audio mixer with hardware faders



### **PTC-140T**

#### 1080P HDBaseT Camera

- 1/2.8 inch CMOS sensor. 1920x1080px Full HD resolution, 60fps
- 20x Optical Zoom, 10x Digital Zoom
- HDBaseT technology
- Advanced 2D/3D noise reduction technology
- H.264/H.265 video compression for streaming









**PTC-150T**  
1080P HDBaseT Camera

- 1/2.8 inch CMOS sensor.  
1920 x 1080px Full HD resolution, 60fps
- 30x Optical Zoom
- 1x 3G-SDI, 1x HDMI, 1x CVBS video output from camera
- HDBaseT technology, HDMI output from Receiver
- Digital noise reduction function (DNR)



**HBT-10**  
HDBaseT Transmitter Box

- HDBaseT Transmitter
- Transmit up to 4K video
- Extend video transmission up to 100m (Full HD Mode)
- Transmit video, audio, DVIP Ethernet control, RS-422/232 and POE from a single Cat.5e/6/6a/7 cable
- Supports DVIP Control Protocol
- Supports RS-422/232 Control Protocol



**HBT-11**  
HDBaseT Receiver Box

- HDBaseT Receiver
- Transmit up to 4K video
- Extend video transmission up to 100m (Full HD Mode)
- Transmit video, audio, DVIP Ethernet control, RS-422/232 and POE from a single Cat.5e/6/6a/7 cable
- Supports DVIP Control Protocol
- Supports RS-422/232 Control Protocol



# MOBILE VIDEO PRODUCTION

Datavideo specializes in mobile video production with ready-made, suitcase styled video studios that can be taken on the road. The design is created around a sturdy outer shell with reinforced parts for easy and safe transportation. Inside is a colour graded, crisp and clear 17.3" monitor used as a multiviewer or production monitor. Underneath the bonnet are our acclaimed switchers with up to 12 inputs in 1080P resolution and an optional streaming encoder/SD card recorder combo. Next to these handcarry models we also have standalone models, flyaway kits and OB van kits.



# HAND CARRY PORTABLE STUDIOS

*The World's Most Compact Video Studio*



**HS-3200**  
12 Input HD Mobile  
Streaming Studio

- A complete professional broadcasting solution for switching, recording, streaming and monitoring
- Supports 12 HD inputs in full 1080p resolution
- A grand total of 9 outputs in full 1080P, 5x SDI and 4x HDMI
- Up to 8 picture in picture with Flex Source support
- 4x upstream keyers, 2x DSK and 2x independent logos or dual chroma keyer
- Instant buttons for starting/stopping recording and streaming
- Built-in animated stinger transitions and virtual set backgrounds



**HS-1300**  
6 Input HD Mobile  
Streaming Studio

- A complete solution for switching, recording, streaming and monitoring
- 2 built-in keyers for chromakey or luma key
- H.264 recorder and streaming encoder for seamless online broadcasting
- Instant buttons for starting/stopping recording and streaming
- Built-in animated stinger transitions and virtual set backgrounds





**HS-2850**  
8 to 12 Input HD/SD Mobile  
Studio

- Supports up to 12 HD or SD inputs in a variety of configurations
- 3 SDI and 1 HDMI freely assignable output channels
- 2 PIP and 2 DSK assignable for luma key or alpha key
- Graphic overlay system for HDMI title input, free software included
- Built-in 8 Channel Intercom/Talkback system for communication with camera crew
- Audio delay for lip sync



# HAND CARRY PORTABLE STUDIOS

*The World's Most Compact Video Studio*



## **HS-2200**

6 Input HD/SD Mobile Studio

- Supports up to 6 HD inputs in a variety of configurations
- 5 SDI and 1 HDMI freely assignable output channels with matrix switching
- 2 PIP and 1 DSK assignable for luma key or alpha key
- Built-in graphic overlay system for HDMI title input, software included
- Built-in 8 Channel Intercom/Talkback system for communication with camera crew
- Built-in audio delay for lipsync



## **HS-1600T**

4 Input HDBaseT Mobile  
Streaming Studio

- Built-in HDBaseT technology allows you to run power, uncompressed video, camera control, and tally over a single CAT6 ("network") cable
- Built-in H.264 streaming encoder and recorder for seamless broadcasting on the internet
- Supports 3 HDBaseT cameras and 1 HDMI input for titles or external source
- Built-in camera controller with a joystick and preset buttons
- Built-in audio line in and audio mixer with hardware faders



# DIGITAL VIDEO SWITCHERS



## **SE-3200**

12 Input HD Switcher

- Supports 12 HD inputs in full 1080p resolution
- A grand total of 9 outputs in 1080P 50/60, 6x SDI and 3x HDMI
- Up to 8x picture in picture by Flex Source support
- 4x upstream keyers, 2x DSK and 2x independent logos or dual chroma keyer
- Built-in animated stinger transitions and virtual set backgrounds



## **SE-2850**

8 to 12 Input HD/SD Switcher

- Supports up to 12 HD or SD inputs in a variety of configurations
- 4 SDI and 2 HDMI output channels
- 2x PIP and 2x DSK with a setup choice of basic Luma key or alpha channel
- Graphic overlay system for HDMI title input, free software included



## **SE-2200**

6 Input HD/SD Switcher

- Supports 6 HD or SD inputs in a variety of configurations
- User-defined output options on 6 SDI and 2 HDMI output channels
- 6x6 SDI Genlocked Matrix
- 2 PIP and 1 DSK with a set up choice of basic Luma key or Alpha channel
- Graphic overlay system for HDMI title input, free software included



## **SE-1200MU**

6 Input HD Switcher

- Supports 6 HD inputs
- 2x DSK and 2x PIP with dual chromakeyer
- 2 SDI and 2 HDMI output channels
- Switch over IP, external control or RMC-260 control panel
- Built-in animated stinger transitions and virtual set backgrounds



# DIGITAL VIDEO SWITCHERS



**RMC-260**  
SE-1200MU Remote  
Controller

- A switcher style keyboard for controlling the SE-1200MU
- Supports user memory keys
- RS-232 interface for communication between RMC-260 and SE-1200MU



**SE-650**  
4 Input HD Switcher

- 4 channel HD video switcher with audio mixer
- Full size control panel and hardware faders
- DSK, PIP and dual chromakeyer
- 1 SDI and 2 HDMI output channels
- Built-in animated stinger transitions and virtual set backgrounds



**SE-500HD**  
4 Input Mixed  
Resolution Switcher

- 4 channel mixed resolution video switcher with audio mixer
- Full size control panel and hardware faders
- 1 Luma-key and PIP
- Built-in video scaler for mixed resolution/standards inputs up to 1080p
- Allows external audio connection for embedding audio into HDMI video



**SE-500MU**  
4 Input Mixed  
Resolution Switcher

- Rack mounted video switcher
- Built-in video scaler for mixed resolution/standards inputs up to 1080p
- Control via app – Available for Windows, Mac OS, iOS, and Android
- IP or RS-232 control







# MOBILE VIDEO STUDIOS

## *Video Production On The Road*



### **OBV-3200**

12 Input HD OB Van Studio

- Supports 12 HD inputs in a variety of configurations
- Supports 1080P 50/60 input and output
- Standard fitted with 8 channel intercom up to 14 channel optional
- Lots of optional accessories available like recorders, audio mixers, streaming encoders, camera control, test & measurement tools and many more



### **OBV-2850**

8 to 12 Input OB Van Studio

- Supports up to 12 HD or SD inputs in a variety of configurations
- Supports 1080P 50/60 input and 1080P 25/30 output
- Standard fitted with 8 channel intercom
- Lots of optional accessories available like recorders, audio mixers, streaming encoders, camera control, test & measurement tools and many more



### **MS-3200**

12 Input Flyaway Studio

- Supports 12 HD inputs in a variety of configurations
- Flyaway case design for portability (+/- 60kgs depending on configuration)
- Standard fitted with 8 channel intercom
- Lots of optional accessories available like recorders, audio mixers, streaming encoders, camera control, test & measurement tools and many more



### **MS-2850**

8 to 12 Input Flyaway Studio

- Supports up to 12 HD or SD inputs in a variety of configurations
- Flyaway case design for portability (+/- 60kgs depending on configuration)
- Standard fitted with 8 channel intercom
- Lots of optional accessories available like recorders, audio mixers, streaming encoders, camera control, test & measurement tools and many more



# GOKITS, MODULAR PRODUCTION SETS

Datavideo designs and develops small and portable modular production sets that are ready to deploy anywhere. A sturdy rolling case encloses the set and makes it very easy to transport and deploy on site. All sets are built around a dual 10" monitor that is capable of monitoring various parts of your production, but also do complicated measurement tasks such as vectorscope. All our production GoKits contain a streaming encoder and recorder for easy broadcasting on the internet and direct-to-USB recordings. Our GoKits vary from production kits with basic switchers to more applied sets with 4K cut-out processors.



# PORTABLE VIDEO PRODUCTION STUDIOS

*Modular Studios For On The Go*



## **GO 500 Studio**

4 Input Mixed Resolution Studio

- 4 input HD/SD portable video studio with built-in audio mixer
- Supports up to Full HD 1080p in mixed resolutions/standards
- HDMI inputs and outputs
- Supports LumaKey for titles
- H.264 streaming and recording







# PORTABLE VIDEO PRODUCTION STUDIOS

*Modular Studios For On The Go*



**GO 650 Studio**  
4 Input HD Studio

- 4 input HD portable video studio with built-in audio mixer
- Dual Chromakey and DSK for text overlay
- "Stinger" animated transitions for stunning effects
- Virtual set backgrounds and stinger transitions included
- SDI and HDMI inputs and outputs
- H.264 streaming and recording



**GO 1200 Studio**  
6 Input HD Studio

- 6 input HD portable video studio
- Dual Chromakey and DSK for text overlay
- "Stinger" animated transitions for stunning effects
- Virtual set backgrounds and stinger transitions included
- SDI and HDMI inputs and outputs
- H.264 streaming and recording



# CAMERAS AND CONTROLLERS

Datavideo designed a complete line of cameras ready for any presentation or production job. Our camera range covers stationary camera modules but also moving camera heads. With a lot of different ways to control these cameras there's always one that fits your exact configuration. Our camera controllers work over a standard network, ensuring easy connections on existing infrastructure.



# CAMERA CONTROL



## RMC-300C

Multi Camera Controller

- Remote Control via Ethernet
- Able to control up to 24 Datavideo PTC/BC cameras
- Works together with an iPad or Android tablet
- User friendly interface
- Firmware upgrade, tablet charging by USB



## PTC-200

4K Camera

- 1/2.3 inch CMOS sensor, 4K (3840 x 2160, UHD) video resolution
- 12x Optical Zoom
- 1x 3G-SDI, 1x HDMI video output
- Digital noise reduction function (DNR)

# PTZ CAMERAS



## PTC-150

1080P Camera

- 1/2.8 inch CMOS sensor. 1920x1080px Full HD resolution, 60fps
- 30x Optical Zoom
- 1x 3G-SDI, 1x HDMI, 1x CVBS video output
- Digital noise reduction function (DNR)



## PTC-140T

1080P HDBaseT Camera

- 1/2.8 inch CMOS sensor. 1920x1080px Full HD resolution, 60fps
- 20x Optical Zoom, 10x Digital Zoom
- HDBaseT technology
- Advanced 2D/3D noise reduction technology
- H.264/H.265 video compression for streaming







# BLOCK CAMERAS

*State Of The Art Cameras*



## BC-100

1080P Camera with  
Interchangeable Lens

- 4/3" CMOS sensor with full HD 1080p24/25/29.97/50/59.94 video format
- High dynamic range and 3D noise reduction
- 12-bit processing, captures more color information
- MFT lens mount
- 2x SDI and 1x HDMI video output, 2x XLR audio in



## BC-200

4K Camera

- 1/2.3 inch CMOS sensor, 4K (3840 x 2160, UHD) 25/30P video resolution
- 12x optical zoom
- Digital Noise Reduction Function (DNR)
- 2x HDMI video output
- Controllable by VISCA/DVIP



## BC-80

1080P Camera

- 1/2.8 inch CMOS sensor. 1080p HD resolution
- 30x optical zoom
- Digital Noise Reduction Function (DNR)
- 1x 3G-SDI, 1x HDMI video output
- Controllable by VISCA/DVIP



## BC-50

1080P Camera with  
Streaming Encoder

- 1/2.7 inch CMOS sensor. 1080p Full HD resolution
- 20x optical zoom, 16x digital zoom
- 3G-SDI output
- 3.5mm audio line in
- H.264/H.265/Motion-JPEG compression and IP streaming through RJ-45 connection
- Controllable by VISCA/Pelco-C/ Pelco-D



# STREAMING PRODUCTION

Streaming to the internet is an important part of your video production nowadays. Datavideo produces both hard- and software to accomplish these task in a user-friendly fashion with professional results. Our encoders work in various bitrates and configurations to suit your exact needs. Our decoders are meant to be used at displays, to decode your production and put it on the main screen. The DVS-200 software is meant to tie it all together in a simple portal, from which you can distribute your stream to multiple platforms. Streaming has never been easier.





## **NVS-40**

### **4 Channel Streaming Encoder/ Recorder**

- Quad input encoder (4 x HDMI, Channel 1 SDI/HDMI selectable)
- External audio inputs
- Supports IP switching
- Supports Quad View, Full Screen, PiP, PBP, POP mode
- Dual quality encoding per input up to 30 Mbps
- SSD drive recording







## ENCODERS



### **NVS-33**

H.264 Video Encoder  
SDI/HDMI

- 1x SDI / HDMI input
- 1x SDI / HDMI embedded audio, 1x RCA unbalanced audio
- Supports different bitrate for recording and streaming simultaneously
- Streaming videos in RTMP, RTSP, and TS formats
- Record on SD card, easy to store
- Supports FAT/exFAT/NTFS file system for continuously recording

## STREAMING SERVERS



### **DVS-200**

Streaming Server  
in the Cloud

- Media Encoding, Decoding, Recording and Streaming Platform in the Cloud
- 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
- Record streams in DVS-200 for later on-demand playback
- Multi-channel on-demand IPTV network
- Real time transcoding options

## DECODERS



### **NVD-35**

SDI IP Video Decoder

- Decodes video from Datavideo encoders, Youtube and Vimeo
- STB functionality for use as a set-top-box
- Seamless integration with Datavideo DVS-200 streaming platform
- Available in SDI



### **NVD-30**

HDMI IP Video Decoder

- Decodes video from Datavideo encoders, Youtube and Vimeo
- STB functionality for use as a set-top-box
- Seamless integration with Datavideo DVS-200 streaming platform
- Available in HDMI



# PRESENTATION EQUIPMENT

When people bring their own devices to the board room or presentation room you're often presented with a problem: the connector is different or the resolution is wrongly set on the user's device. When the DAC-75T is present it doesn't matter anymore. This converter converts any signal (HDMI, VGA or SDI) into the appropriate resolution and standard for your (HDMI or SDI) display or projector. The unit is easy to use with a clear touch screen for input selection. This saves valuable presentation time and enhances overall quality.





## **DAC-75T**

Connection Assistant

- Converts resolution, standard and embeds audio
- 3G-SDI technology with full 10 bit processing and low SDI jitter
- Broadcast quality conversion algorithm
- User friendly touch screen controls



# CONVERTERS

Signal standards, connections and resolutions can be a difficult problem to counter. Datavideo designed a complete line up to cater all your conversion needs, whether that is SDI, HDMI or even VGA, all the way up to 4K.





**DAC-70**  
Up Down Cross

- Convert video signals from VGA, HDMI, SDI with Audio input to 3G/HD/SD SDI and HDMI outputs
- 3G-SDI technology with full 10 bit processing and low SDI jitter
- RCA audio embedding



**DAC-45**  
4K Up Down Cross

- Supports VGA/HDMI/SDI to 4K HDMI/3G-SDI multi-format up/down/cross conversion
- Support 3G-SDI Level A/B
- Reference input (Black Burst and Tri-Level Sync.)
- Built-in De-interlacer and Interlacer (I/P conversion)
- RCA audio embedding





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DOWN/CROSS CONVERTER

DAC-70

MODE SELECT

1 2 3 4 5 6 7 8

SOURCE

1 2 3 4 5 6 7 8

VIDEO OUTPUT

1 2 3 4 5 6 7 8

ASPECT

CE

1 2 3 4 5 6 7 8

MODE SELECT

HDMI OUT

VGA

HDMI

OUT



# CONVERTERS

## *Signal To Signal Perfection*



**DAC-60**  
SDI to VGA

- Supports 3G/HD/SD-SDI to VGA conversion
- SDI loop through is unaffected by the adjustments to the VGA signal



**DAC-50S**  
HD-SDI to Analogue

- Converts 3G/HD-SD SDI input to analogue video and 2 unbalance analogue audio channels
- Two available output combinations:
  - 1 x YUV output & 1 x CV output
  - 1 x S-Video (Y/C) output & 2 x CV outputs
- Supports PAL/ NTSC output



**DAC-9P**  
HDMI to SDI

- Supports HDMI to 3G/HD/SD-SDI conversion
- Audio can be embedded within SDI output signal
- Supports YUV and RGB color space



**DAC-8P**  
SDI to HDMI

- Supports 3G/HD/SD-SDI to HDMI conversion
- Loop through SDI output with embedded audio
- Supports YUV and RGB color space







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**Disclaimers of Product and Services**

This brochure is intended as a guide only. We reserve the right to change specifications and availability without prior notice. While we strive for complete accuracy, be aware that it may contain errors and omissions. Prior to purchase, please check with your local Datavideo office or authorised distributor.



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