

P.T.Z.



**Live TV, Fixed Rig Productions, AV Installs,
Lecture Capture and Event Recording**



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Fixed Rig Television

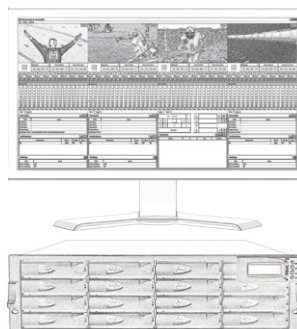
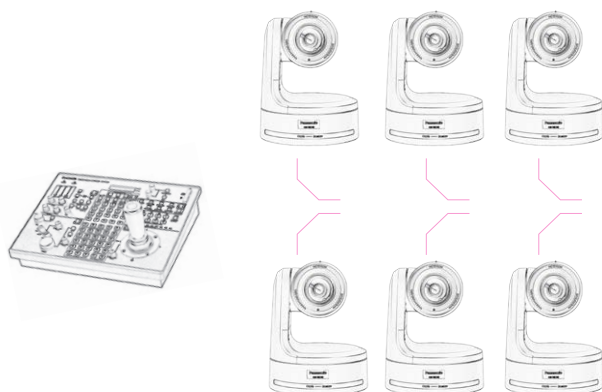
The fixed rig has revolutionized television documentary making. With fast set up times, short programme turnaround and low-profile cameras, producers can go from planning to air in a matter of weeks.

Two key factors that have made all the difference:

1. Panasonic HD PTZ cameras represent a major leap forward. They are proven to work in all environments and

to deliver video quality to rival broadcast camcorders.

2. Recording multiple camera feeds has always been expensive and time consuming, requiring many VTRs, tape management and data ingest. Now with Quadrus multi-channel recording software, all camera feeds are captured direct to central storage and can even be edited during the production.



⤴ CONTROL

▶ SHOOT

■ MULTICAM RECORD

✂ EDIT



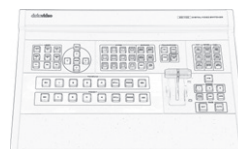
Conference Productions

Datavideo video equipment brings multi-camera technology into the realm of conferences, seminars and business presentations.

With no need for a camera crew and technicians, a single AV operator can record sessions, beam them live to big screens and stream to remote audiences.

Datavideo PTZ HD cameras are high quality, affordable and highly versatile, with multiple signal output options.

They work beautifully with Datavideo's reliable, simple to use video switchers, recorders and encoders which are fully compatible out of the box.

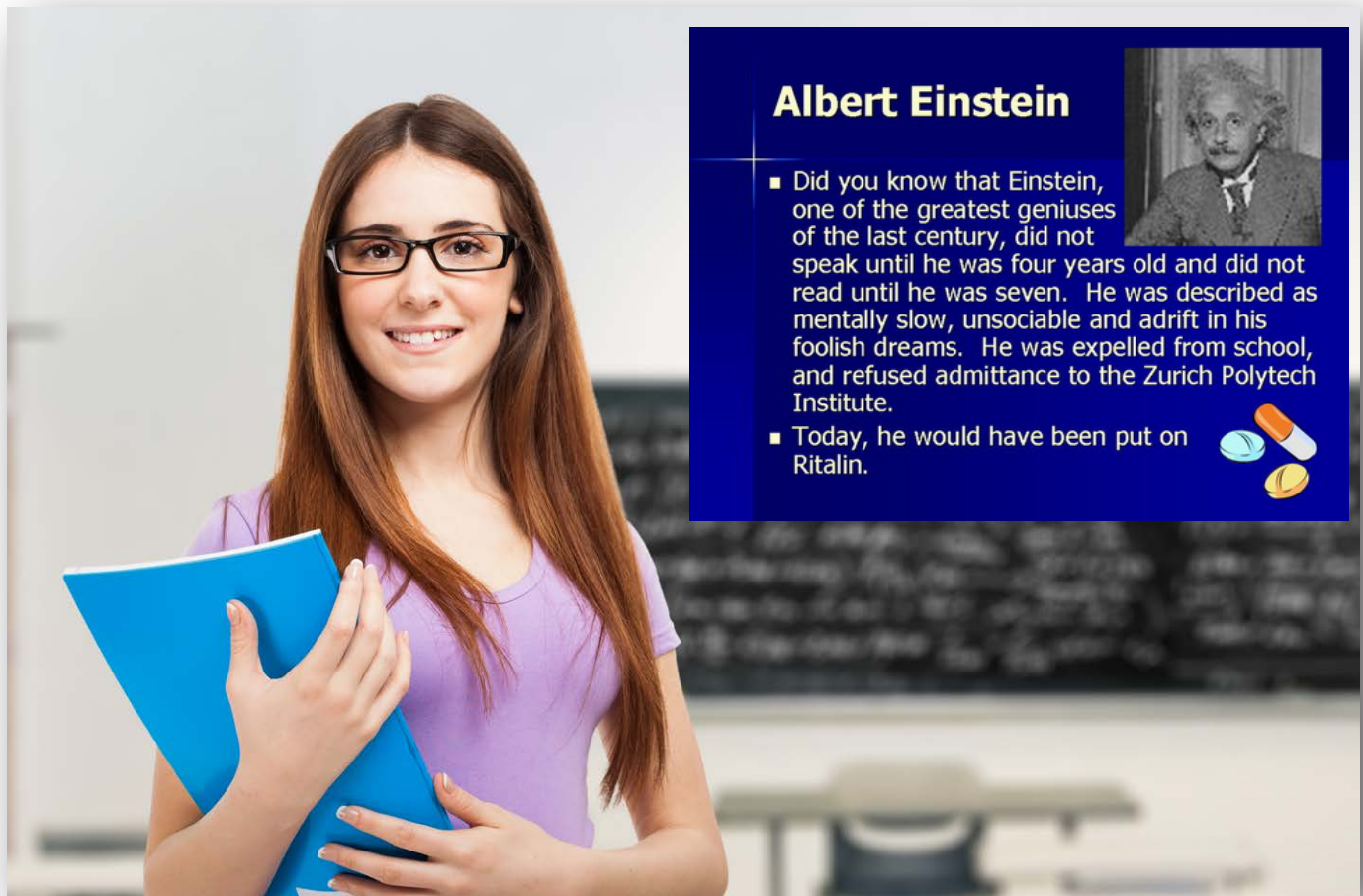


⤵ CONTROL

▶ SHOOT

📺 MIX & STREAM

▷ RECORD & PROJECT



Lecture Capture

Recording and streaming lectures plays an increasingly important role at all levels of education and training.

The innovation from Panasonic that enables a PTZ camera to automatically track the presenter means that self-shooting is a real option.

Presentations are played out from the teacher's laptop

and overlaid on the camera's video feed to create a dynamic result that will help to engage students.

The output is fed to a Datavideo streaming encoder that can deliver the live feed over local networks and the Internet, and at the same time record the video onto a USB stick or external storage device.





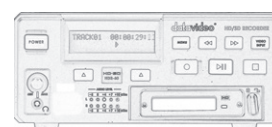
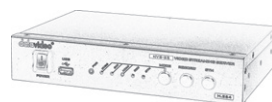
Web Studio

Panasonic PTZ cameras make web studios fast to install, easy to operate and low cost to operate.

Two PTZ cameras (one equipped with an iPad-based control system) give the producer and presenter the flexibility to mix between camera angles. This delivers dynamic shots with no need for a control panel.

Datavideo's vision mixer, at the heart of the studio, is very easy to operate and enables logos, external video sources and graphics to be incorporated into the programme for television-style results.

Video is recorded for archive and editing, and encoded for streaming over the Internet.



► CONTROL AND SHOOT

► MIX & SWITCH

► RECORD & STREAM



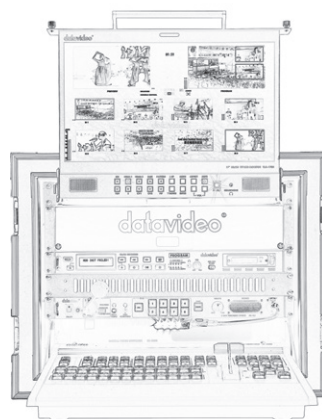
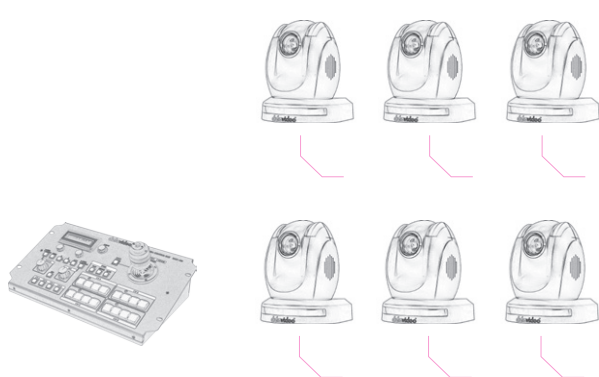
Sports Programming

The 30x zoom on Datavideo's PTZ camera makes it well suited for fast-paced, multi-angle sports production. A built-in tally light in the camera means that presenters can conduct interviews fully aware of which camera is active.

Datavideo's control surfaces - on the camera controller and the vision mixer - are high quality,

tactile and intuitive, making it easy for the director to switch quickly between cameras and never miss a crucial shot.

The portable HD production unit can be configured to meet the user's needs with racks for recording, intercom, signal conversion, video distribution, encoding, central power and much more.



↻ CONTROL

▶ CAMERA

📁 MIX, MONITOR & RECORD

▶ STREAM



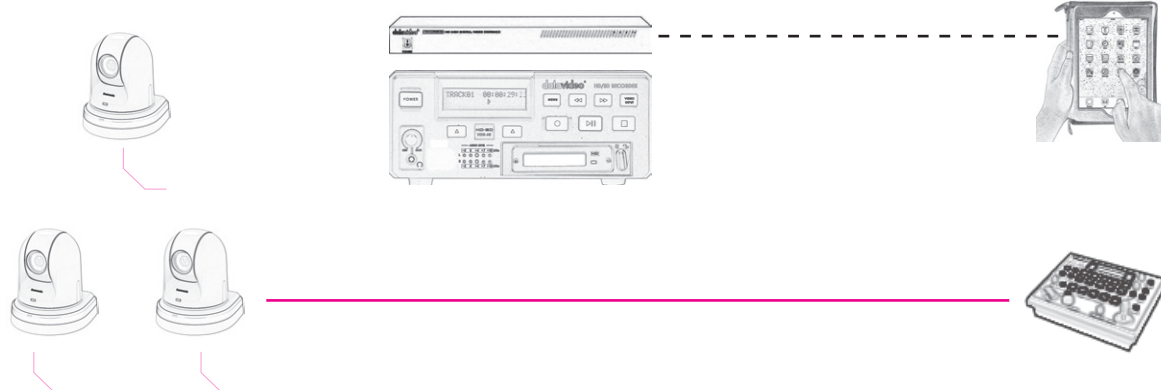
The Remote Rig

In many situations, the production crew cannot be located in the same area as the camera kit. Whether it's a 24/7 fly on the wall documentary, a multi-room conference or where infection control is critical, it is often not practical to place a technical team on-site.

The latest Panasonic cameras can be powered over Ethernet with preview streamed over IP so it's perfect for remote production.

The super-low latency Datavideo's SE-1200 provides truly remote mixing. Delivering the feed from each camera source over IP, the producer - connected by a laptop or tablet computer - can be located anywhere - 50 metres or 500 miles away.

Programmes can then be cut live as if the crew was working with a traditional vision mixer.



► CAMERA

📁 MIX, MONITOR & RECORD

🕒 REMOTE MONITOR & CONTROL



Worship and Produce

Religious organizations benefit hugely from video technology. Whether it's to communicate with congregations inside the house of worship or with audiences around the world, video is a critical tool.

Ease of use and affordability are crucial and with Datavideo PTZ kit, organizations can produce and share live and recorded video as never before.

The vision mixer is quick to set up; an operator can be trained from scratch in no time at all. HD video can be streamed to remote audiences is advertising free and extremely low-cost.

tvONE's CT-647 also distributes the HD output of the switcher to 7 screens around the building using low-cost Cat5 cable.



► SHOOT

► MIX & SWITCH

► RECORD & STREAM

► AV DISTRIBUTOR



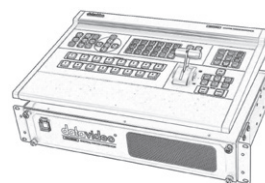
Professional Web Studio

Corporate, education, and independent web studios are a fast growing sector. With multiple Datavideo PTZ cameras and a professional controller, truly televisual results are possible.

The switcher has 8 HD inputs: cameras, video sources, titles, graphics and presentations can all be

mixed in full resolution. Its control panel is easy to use with full creative control at the user's finger tips.

The output is recorded in full HD and streamed live to dedicated decoders, closed groups of online viewers or public audiences around the world.



⌂ CONTROL

▶ SHOOT

📺 MIX & SWITCH

▷ RECORD & STREAM



The **AW-RP120** remote camera controller supports a variety of Panasonic remote cameras. IP connection enables large-scale, flexible rigs to be configured to control up-to 100 remote cameras.



Panasonic's **AW-RP50** PTZ control unit is simple to operate. It manages up-to 5 cameras via serial connection. It gives full camera control using the camera menu. Up-to 100 pre-set memories are available per camera.



30x Optical Zoom
SDI or HDMI
Power over Ethernet

Panasonic's **AW-HE40** PTZ camera is a quality product, capable of excellent results in all lighting conditions. The **AW-SFU01** software upgrade adds video streaming over IP and recording to microSD card.



Optical Stabilizer
Power over Ethernet
Streaming over IP

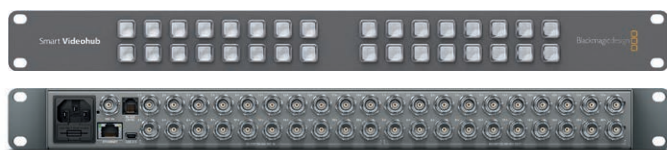
Panasonic's **AW-HE130** delivers astonishing pictures. A 20x zoom, extreme pan and tilt range, fanless design and fast speed of operation make it supremely versatile. Compatible with the AW-HEA10 iPad control add-on.



Blackmagic Design's **Hyperdeck Studio Pro** records HD and UltraHD onto SSD disks. Users can select their preferred format, including Uncompressed QuickTime, ProRes 422 HQ, and Avid DNxHD.



The Blackmagic **ATEM 2 M/E Production Studio 4K** has 20 6G-SDI inputs, making it ideal for larger installations. It is capable of immensely creative HD and UltraHD results.



Fixed rig installations can involve many pieces of equipment - cameras, controllers, recorders, mic arrays, vision mixers and encoders. Blackmagic **Videohubs** provides the flexible routing and distribution you need.



Signal conversion is essential to match equipment that would otherwise be incompatible. Check out Blackmagic's **4K Mini Converters** and Datavideo's **DAC** VGA converters and SDI distributors.



tvONE's **CT-647** AV distribution unit sends any HDMI video input to multiple screens using HDbaseT technology. Video is sent over Ethernet cable and received by up-to 7 low-cost **CT-642** receivers.



tvONE's **C2-2855** video processor offers HD signal conversion and scaling from a wide range of video sources. Its picture in picture (PIP) functionality make it a valuable and versatile presentation tool.



The **RMC-190** remote camera controller manages the positioning and zoom function of up-to 7 Data-video PTC-120 cameras. It supports as many as 128 preset positions for each camera.



Datavideo's **RMC-180** controller is powerful and affordable. It manages 4 PTC-150 cameras and gives full control over image parameters. It has multiple presets for Pan, Tilt & Zoom for each individual camera.



22x Optical Zoom
Digital & Analogue outputs
Remote controller inc

Datavideo's **PTC-120** PTZ camera stands out with incredible connectivity, enabling it to fit into every workflow. Its price is extremely attractive, especially with the slimline remote controller included in the package.



30x optical zoom
Digital & Analogue outputs
Full 4:2:2 HD output

Datavideo **PTC-150** features excellent image quality, with dehazing technology and digital noise reduction. Position coordinates are reported in real time per frame, making it perfect even for virtual studio applications.



20x Optical Zoom
Optical Stabilizer
Power over Ethernet

Panasonic **AW-UE70** delivers UHD resolution images via HDMI, HD over 3G-SDI, 4K IP streaming and in-camera 4K recording. Control options include RS422, RS232C and IP, making it truly versatile.



Quadrus Ingest Machine record up-to 8 channels of HD video to any codec. The growing files can be cut live, stored locally or shared on network storage to give editors instant access to the footage.



Datavideo HD mixers (PICTURED: **SE-700 / SE-2200**) excel in their ease of use, portability, low cost and reliability. Control panels are intuitive to use, allowing users to switch quickly and create dynamic programming.



Datavideo's **MS** mobile racks are made to order. Create the solution you need to mix, control, encode, record, monitor and match multiple cameras and communicate with the production crew. It's almost a complete "rig in a box!"



Datavideo **HDR-60** HD recorder is cost-effective to buy. It's also low-cost to run, relying on readily available hard drives. Capture high quality 4:2:2 files or use lower settings for massively extended recording times.



Datavideo **NVS-25** is a great H.264 encoder that pairs with the NVS-20 decoder. Its trump card is the free DVS-100 server application that allows users to send live video over any network with no need to re-configure firewalls.



4K PTZ Installation

With large scale 4K screens now widely available, audiences in and around sporting arenas can be treated to the highest quality live video.

Panasonic's UltraHD PTZ camera is incredibly powerful (with a 20x zoom and integrated ND filters) and highly practical (supporting power *and* control over Ethernet).

The Blackmagic Design ATEM Production Studio 4K mixes native full resolution UltraHD video and graphics sources.

The 4K output is distributed by a Blackmagic VideoHub with signals processed by Mini Converters for large format HDMI-based UHD screens.

