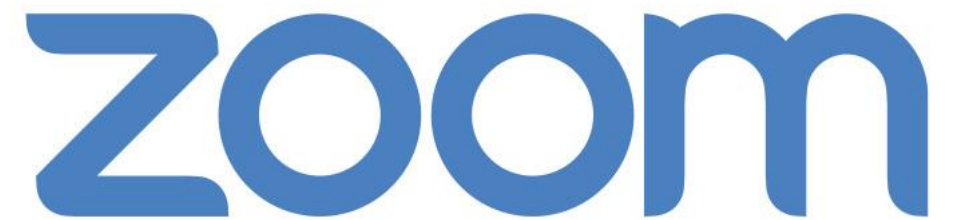


holdan
**Simple
Streaming
Solutions**



Remote Demonstrations

Talking to a customer about a streaming project and not sure where to start? Speak to your account manager, or e-mail sales@holdan.co.uk, about having our technical team use videoconferencing to work directly with your customer or sales teams. We can set up an online demonstration or webinar to find a deliverable solution for your customer.





Panasonic AW-UE4

The ultimate streaming camera system

- Ultra wide-angle lens with 111° field of view and 4x zoom.
- Supports up to 4K/30p video output.
- Video output via 3 interfaces, including HDMI, LAN & USB.
- Appears as a USB webcam for video conferencing with Zoom, Skype, MS Teams, etc...
- RTMP streaming for use directly with social platforms including Facebook and YouTube Live.
- Supports PoE or USB power options.



Further Information

<https://www.holdan.co.uk/search/ue4>

<https://www.holdan.co.uk/news/The+Panasonic+AW-UE4%3A+Cometh+the+hour+Cometh+the+Camera>

https://www.youtube.com/watch?v=B9xOX_xwK08&feature=emb_title



Datavideo BC-50

IP block camera with 20x optical zoom

- 1080P Full HD Block Camera
- 20x optical zoom with a maximum aperture of F1.8.
- Support PoE Technology for remote power
- H.264/H.265/Motion-JPEG compression through RJ-45 connection
- Stream to popular platforms such as YouTube and Facebook live.
- Regular 3G SDI output for uncompressed video up to 1080P



Further Information

<https://www.holdan.co.uk/Datavideo/BC-50>



VidiU8

Teradek VidiU Go

Professional HEVC live streaming encoder



- Stream reliably from virtually any location with 4G LTE bonding using optional Nodes
- Multi-destination streaming via Teradek Core to reach a wider audience
- The most affordable HEVC streaming solution on the market
- HEVC saves you on cellular data costs and bandwidth headroom
- Node for VidiU Go modems offer exceptional connectivity and integrated form factor
- Dual SDI / HDMI inputs for use on any camera
- Core and Sharelink support for expanded connectivity

Further Information

<https://www.holdan.co.uk/Teradek/VidiU+Go>

Teradek Cube

Broadcast quality H.264 / HEVC [H.265] Encoder and Decoder solution

- SDI and HDMI input for use on any camera
- Stream directly to content delivery networks (Youtube, Facebook Live, etc...) or custom destinations.
- Use with a Cube, Slice, or T-Rax decoder for SDI output over local networks or public internet.
- Up to 1080/60p encoding at 30Mbps/s (700 series).
- Wi-Fi, Ethernet, or optional cellular modems for network connectivity.
- Use with Teradek Core for network bonding and streaming to multiple destinations.



Further Information

<https://www.holdan.co.uk/brand/Teradek/Encoders/Mini+Encoders>





Datavideo NVS-33

Video streaming encoder and MP4 recorder



- H.264 streaming and recording simultaneously.
- 1x SDI / HDMI input
- 1x SDI / HDMI embedded audio, 1x RCA unbalanced audio
- Supports different bitrates for recording and streaming simultaneously
- Streaming videos in RTMP, RTSP, and TS formats
- Record to an SD card without file size limitation
- Supports FAT/exFAT/NTFS file system for continuous recording
- Remotely controlled using a Windows / Apple PC or mobile device with a web browser

Further Information

<https://www.holdan.co.uk/Datavideo/NVS-33>

<https://youtu.be/59ktbwIJMbw>



Telestream Wirecast

Professional streaming from your home, office, or studio

- Turn your computer into a TV studio with switching and streaming
- Available as a software only solution for self install, or a powerful turnkey platform.
- Unlimited number of sources, including local capture, IP streams, and media playback.
- Supports output to all major streaming platforms, as well as recording to local drives.
- Comprehensive overlay and graphic options.
- Ideal for webcasting, education, and live events.



Further Information

<https://www.holdan.co.uk/search/wirecast>
<https://www.youtube.com/user/WirecastTube>



Datavideo HS-1300

6 Channel portable HD streaming studio

- Supports 720p or 1080i video formats - broadcast quality & ideal for streaming directly to content delivery networks (Youtube, Facebook Live, etc...) or custom destinations.
- Built in 17.3" HD LCD Monitor
- Simple user controls & menu
- Video inputs - 4x HD-SDI BNC and 2x HDMI
- 3 year manufacturers warranty



Further Information

<https://www.holdan.co.uk/Datavideo/HS-1300>

<https://www.youtube.com/watch?v=tRHJeKzcu3c>



Zhiyun Smooth 4

Stream and stabilise simultaneously

- A lightweight handheld gimbal
- Up to 12 hours runtime
- Multiple Time-lapse and tracking modes
- Charges phone whilst shooting
- ZY Play app enables more advanced functions (iOS/Android) including streaming live on Facebook

Further Information

<https://www.holdan.co.uk/Zhiyun+Tech/Smooth+4>

<https://www.youtube.com/watch?v=h-Kugt6mw5A&t=100s>



Zhiyun Crane M2

- 3 in 1 handheld gimbal (Compact cameras, smartphones and action cameras)
- Compact and Portable
- 7 hours runtime
- Built in Wi-Fi and Bluetooth
- One button quick release camera system
- ZY Play app enables more advanced functions (iOS/Android) including streaming live on Facebook

Further Information

<https://www.holdan.co.uk/Zhiyun+Tech/Crane-M2>

<https://www.youtube.com/watch?v=R6OQclkatTA>



Some common terms...

Bandwidth

Bandwidth measures internet connection speed or the amount of data consumed. In the streaming industry, bandwidth is typically measured in kilobits or megabits per second, or in gigabytes.

Bitrate

Bitrate is a measure of the amount of data per unit of time in a video or audio stream. Typically this is measured in kilobits, megabits, or gigabits per second. For example, the bitrate of a typical 720p HD video stream may be in the realm of 4 Mbit/s (megabits per second), and a standard audio bitrate is 128 Kbps.

Bonding

Bonding exists to solve the problem of not having enough bandwidth to stream in acceptable quality. Specifically, it refers to a process of combining multiple cellular and WiFi networks into a single “bonded” connection. This is common for mobile journalists and requires specialized hardware such as Teradek’s Bond.

Codec

A “codec” is an encoding/decoding standard for reducing the file sizes of video, audio, and other media formats. The most common video codec is H.264, and the most common audio codecs are AAC and MP3.

Content Delivery Network (CDN)

A Content Delivery Network, or CDN, is a network of servers designed to increase the speed and reliability of delivering digital content to users. This is done by caching content dynamically at servers located close to the audience. It is especially important for live streaming. Popular CDNs include Facebook Live and Youtube Live, but content specific networks also exist, for example Kultura for the education sector, or Azure for corporate.

Encoder

Hardware or software that converts a video signal to an IP stream for transmitting to a **Decoder** or **CDN** for delivery.

H.264

H.264 is the most common video codec in use today. It’s compatible with essentially every device out there and provides reasonable file sizes for streaming video up to 1080p HD resolutions.

HEVC [H.265]

The evolution of H.264, offering higher quality at the same bitrate, or the same quality at half the bitrate. Using the example above, if we are currently transmitting 720p at 4 Mbit/s in H.264, HEVC would stream at 2 Mbits/s without a drop in quality. Ideal for environments where bandwidth is limited, or data costs are high. A caveat being that not all networks support HEVC streaming.

Latency

Latency refers to the elapsed time between an event taking place and that event being displayed via live stream to viewers on their screens. Most live streams have a latency of less than or around 30 seconds. Lower latency is possible with specialised settings.