



LiveStreamPac PRO-S

THE WORLD'S MOST ADVANCED POCKET-SIZED 3G/4G-LTE VIDEO UPLINK SYSTEM

Designed to be used by news-gathering professionals, the LiveStreamPac PRO-S is ultra-compact, robust and highly-portable, and allows for direct camera-mounting using optional standard V-mount, Gold-plate or PAG lok. Its power and versatility give you the required flexibility to always be "news-ready" by combining any of the following network interfaces:

- 10 USB ports for external 3G/HSPA+/4G-LTE/WiFi modems
- Dual Gigabit Ethernet for BGAN, Thuraya, Ka-Sat or streaming over LAN
- ASI Transport Stream output
- 1 expansion port for a 4 external 3G/HSPA+/4G-LTE modems USB Hub
- Long life internal battery

The LiveStreamPac PRO-S has been designed with ease-of-use in mind, the user-friendly intuitive interface allows any user to broadcast live in 2 simple clicks from either the embedded touchscreen or your smartphone.

MAIN FUNCTIONS

LIVE

Send a live broadcast-quality video over any kind of network: Satellite (BGAN, THURAYA, Ka,...), Ethernet, WiFi and bonded 3G or 4G-LTE networks

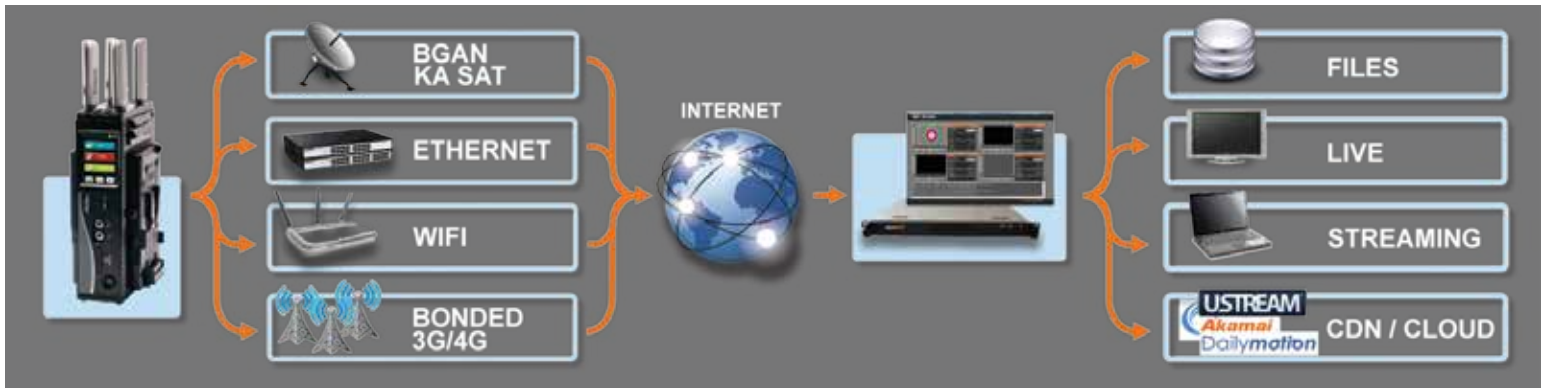
STORE

Record high quality video files while streaming live at lower resolution and bit rate

FORWARD

Fast Forward the files from the SD card or a memory stick (video, data,..) to the remote receiver using the available networks

LiveStreamPac PRO-S OVERVIEW



USE CASES

LIVE OVER WIRELESS NETWORKS

The LiveStreamPac PRO-S has 10 USB ports into which 10 3G/4G or WiFi modems can be plugged to stream a live video over the bonded networks. A 4 3G/4G modems hub can be connected to the expansion port to extend to 14 the number of modems.

LIVE OVER ETHERNET

The LiveStreamPac PRO-S can stream a live video over the network to a LiveStream Studio or to any kind of H.264 receiver from professional IRDs (Integrated Receiver and Decoder) to VLC player.

LIVE OVER SATELLITE

The LiveStreamPac is compatible with the main portable Satellite uplink solutions such as Inmarsat BGAN, THURAYA or Eutelsat KaSat tooway. It can also feed any kind of satellite modulator by using its MPEG-2 TS ASI output.

LIVE TO ANY CDN

The LiveStreamPac PRO-S system supports the needed protocols to stream live high definition video directly to the Web or to any CDN (Content Delivery Network) Such as Akamai, Livestream or UStream.

MAIN SPECIFICATIONS

- Live
- Store & Forward
- IFB return channel
- Tally Light
- HD/SD-SDI embedded audio (BNC)
- Composite (BNC)
- Analog Audio L&R (BNC)
- HDMI (1.3)
- ASI-TS out (BNC)
- Gigabit Ethernet (Streaming, BGAN, THURAYA...)
- USB 2.0 (Store, USB modems,...)
- Stereo mini jack (3.5mm) in & out (IFB)
- RS232, RS485
- SD card slot (Store)
- 10 x external USB 3G/4G/Wifi Modems
- BGAN, THURAYA
- Ka Band Satellite
- Ethernet
- 4 x external USB 3G/4G Modems Hub through expansion connector (Optional)
- Unicast streaming
- Multicast streaming (IGMP)
- MPEG Transport Stream over UDP
- RTMP

Video Compression	H.264/AVC Main/High Profile level 4 1080p/1080i/720p/576i/480i @ 50/59.9/25/29.9 fps Bit rates: 100 Kbps to 15 Mbps CBR / VBR / Capped VBR Simultaneous Live & Store at different bit rates
Audio Compression	AAC-LC/HE-AAC/HE-AAC 2.0; 32 to 128 kbps MPEG-1 LayerII 32 to 256 kbps Dual mono / Stereo
Advanced Features	Dual Encoding (Live & Store) HD & SD downscaling Forward Error Correction (FEC) AES Encryption 128-bit or 256-bit (Optional)
Operational Modes	Glass to Glass latency: down to 1 sec Pre set profiles & manual modes
Configuration	Rotating Touch screen Remote: Web GUI (any devices) Remote control from receiver (LiveStream Studio)
Power Supply	Long life internal battery 12-24V input XLR 4 pins - Hot swap V-Mount, Gold Mount or PAG lok plates (Optional)
Physical	Dimensions: 180 x 128 x 55 mm Weight (Kg/Lb): 1.4/3.1 Operating temperature: -10°C to 50°C Power Consumption: 12W (without modem)