

TelePorter™ with HD Live Video Streaming System



VIDEO / AUDIO
MOBILE LOCATION

VIDEO / AUDIO
HEADQUARTERS

The TelePorter transports a video/audio signal from a remote location to a headquarter location for live video streaming applications. Teleporter is ideal for TV broadcasters, teleconferencers, emergency response and any video streaming application to provide live video from a remote location, with high quality, high reliability and very low glass-to-glass latency. Videographers can simply plug in the analog or digital video/audio feed from the video camera to the industry standard connectors of the Teleporter field unit, add the cellular aircards and start streaming to the Bonding Proxy Appliance at the headquarter office which provides video/audio output. Teleporter also supports streaming directly to a web-page and mobile devices.

interactive video applications, such as live interviews, breaking news and events.

High Reliability video streaming - TelePorter leverages a technology based on Network Calculus that minimizes the effects of the wireless channel variations of the cellular links, therefore enabling a very unique and highly reliable video feed.

High Quality video streaming - The cutting-edge resource allocation algorithms at the mobile location, combined with the custom video encoder provides a high quality video stream with high resolution and high frame rate.

Adaptive video streaming - TelePorter dynamically adapts to the available bandwidth and provides the best possible video feed at any given time.

Broadcast standard inputs & outputs - TelePorter uses industry standards, including S-video, composite, SD/HD/3G-SDI inputs. Teleporter field unit can be attached to a camera via its Anton-Bauer mount or V-mount so that a single battery can power the Teleporter as well as the camera.

Simultaneous recording - TelePorter can store the highest quality video stream to a usb-stick simultaneously, while streaming live.

FEATURES

Video Streaming over bonded cellular

TelePorter leverages cellular aircard bonding technology and various optimization algorithms for video streaming. This provides an IP transport that is optimized for live video streaming. No need for a satellite or microwave truck.

Low latency video streaming - TelePorter provides very low glass-to-glass latency, enabling

**Stream
without
limits**





TelePorter field unit (standard)



TelePorter field unit (all options)

MOBILE MODULE SPECIFICATIONS

Mechanical	2.88"x4.39"x6.61" (3.88"x6.75"x7.13" with all add-on options) Anton Bauer mount for attaching to camera & includes ultraportable backpack.
Weight	3.4 to 4.4 lbs (1.54 to 2 Kgs) without the battery
Power Requirement	Anton Bauer rechargeable battery (sold separately)
Video / Audio input	H.264 High Profile, H.264 Baseline Profile 1080p/1080i/720p (optional), 480i and 576i support Composite, S-video (NTSC/PAL), SD/HD/3G-SDI (optional) MPEG1, MPEG2AAC, MPEG4AAC 32,44.1, 48 KHz XLR or 3mm, Stereo Analog unbalanced audio input
IP transport	Support for bonding up to 6 cellular aircards from any carrier Video Optimization Module Ethernet port for regular Internet access and store&forward
Bits per second range for streaming	300Kbps - 5.00Mbps
Temperature Range	0-50 °C (operating), 0-70°C (storage)
Humidity Range	20-90%, non-condensing (operating), 5-95%, non-condensing (storage)
Cooling	Active cooling

HEADQUARTER MODULE SPECIFICATIONS

Mechanical Dimensions	16.92"(W)x11.85"(D)x1.73"(H), 19-inch rack mountable
Weight	19 lbs.
Power Requirement	Built in 270 ATX Power supply operated by 110/220V AC
Video / Audio output	HDMI, Composite, Component, S-video output Stereo Analog unbalanced audio output
IP transport	5 Gigabit Ethernet WAN ports 2 Gigabit Ethernet LAN ports
Video Optimization Module	Built-in
Certifications	FCC, CE, RoHS-5, ICES-03, UL, cUL
Temperature Range	0 - 50°C (operating), -20 - 70°C (storage)
Humidity Range	10-95%, non-condensing (operating)
Cooling	Rear-panel fans