Streamer™ PRO

Mobile Video streaming over bonded 3G/4G wireless

Streamer PRO is an ultra-portable device that enables live streaming over bonded 3G/4G wireless cellular cards (or bonded DSL, cable and/or T1). Simply connect your camera directly to the Streamer PRO and start streaming to a video server or CDN of your choice. Streamer PRO is ideal for streaming live video and audio content to a website from anywhere you have cellular coverage. Up to 8 3G/4G cards can be combined to increase the available bandwidth for up to HD quality video and to provide high reliability video streaming. Streamer PRO will accept various types of video feeds via industry standard s-video, composite, SD-SDI, HD-SDI connectors or an encoded video feed via an Ethernet cable or WiFi. Streamer PRO will bond the available Internet connections that are plugged into the unit and will send the stream transparently to your preferred CDN (Content Delivery Network) through Streamer PRO Relay. Streamer PRO Relay can be in the cloud as a service or 1RU hardware in your preferred location.

FEATURES

Transparent streaming over bonded Internet - Streamer PRO can stream over the bonded Internet connections directly from your camera to a video server. You can seamlessly plug in a camera output (s-video, composite or SDI) or an encoded video via Ethernet and start streaming to a video server/CDN of your choice.

Support for most types of video servers - Streamer supports all of the CDNs and popular video servers including LiveStream*, Justin.tv*, Ustream* Akamai*, Limelight* & many others.

Real-time adaptive high quality video encoding - Streamer PRO dynamically adjusts the video encoding rate to provide the best video quality wihtout any video drops or freezes even in challenging wireless network conditions. For encoded video feeds, Streamer PRO supports most video encoders including Flash* Media Live Encoder, Wirecast*, Tricaster*, TouchStream etc.

High speed Internet access - Streamer can also be used to access the Internet over the bonded connection via Ethernet or WiFi.

Stream without limits

Mobile Web

Website

Any CDN
in the Internet

Mushroom Relay
in Cloud or
your Data Center

3G/4G modems

Camera

SDI, composite, s-video

Streamer PRO

MOBILE   LOCATION

Stream over bonded 3G/4G wireless, from <u>anywhere</u>.

STREAMER PRO / PRO-HD HARDWARE SPECIFICATIONS

Mechanical Dimensions	7.75"x8.25"x3.12", Anton Bauer or IDX V-mount for attaching to camera & optional backpack
Weight	4.2 lbs (1.91 Kgs) without the battery
Input Power Requirement	Anton Bauer (or IDX) power adaptor or Anton Bauer (or IDX) rechargeable battery (sold separately), optional built-in battery with hot-swap
USB ports	8 (for cellular data cards)
LAN ports (GbE)	1 (RJ-45 Ethernet connector)
Wired WAN ports	8 (via the optional USB-to-Ethernet converter kit)
Wifi Access Point	Built-in 802.11n/g
Video / Audio input options	Composite, S-video (NTSC/PAL) SD/HD-SDI (optional) 2x stereo audio, 1xAC3 Pass-through
Temperature Range	-4 - 140 F,-20 - 60°C (operating), -22 - 158 F,-30 - 70°C (storage)
Relative Humidity Range	5% - 95% non-condensing
Cooling	Active cooling with fans

STREAMER PRO SOFTWARE SPECIFICATIONS

Max throughput	30 Mbits/sec
Device Management	Web based management (via cloud or local WiFi) LCD display Remote syslog Email Alerts
Video/Audio Encoding	H.264 High Profile (up to level 4.1), Main, Baseline profiles CIF, half, 480i, 576i, 720p, 1080i, 1080p Mpeg-1 Layer2, Mpeg2, Mpeg4 AAC-LC, AC3 Audio encoding with 32, 44.1, 48KHZ (4 mono / 2 stereo pairs)
Video Armor Technology	Outages/fades on the 3G/4G cards are shielded from video
Adaptive Encoding	Video encoder adjusts rate 4 times/sec to adapt to bandwidth
CDN Support	RTMP based video servers/CDNs & others
Internet Access	Highspeed Internet access via built in WiFi Access Point
Firewall	-Stateful packet inspection -DMZ support -Inbound/outbound port filtering
QoS	Built-in Network Calculus algorithms for video streaming