

# Streamer™

## Mobile Video Streaming over bonded 3G/4G wireless

**S**treamer is an ultra portable device that enables live video streaming over bonded 3G/4G wireless cellular cards. Simply connect your encoder output (or encoder that is installed on a laptop) as an input to the Streamer and stream live to your preferred video server or CDN (Content Delivery Network). Streamer is ideal for streaming live video and audio content to a website from anywhere you have cellular coverage. With the Video Armor™ technology, outages of the wireless connections are shielded from the video stream. Up to 8 3G/4G connections can be combined to increase the available bandwidth for HD quality video and to provide high reliability video streaming. Streamer also has an Ethernet WAN port and a WiFi WAN connection which can be bonded with the 3G/4G cards. Streamer will accept various types of video streams via WiFi or Ethernet cable. Streamer will bond the available Internet connections that are plugged into the unit and will send the stream to your preferred CDN/video server through Streamer Relay. Streamer Relay can be in the cloud as a service or 1RU hardware in your preferred location. The Streamer Relay service is transparent to your application, so that you can keep your existing streaming work-flow.

## FEATURES

**Transparent streaming over bonded Internet** - Streamer replaces or augments your wired Internet line in your existing streaming system with the bonded Internet connections. You can seamlessly plug in an Ethernet cable or use the built-in WiFi access point to connect your laptop, encoder or switcher to the Streamer and start streaming.

**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.

**Support for most types of video source** - Streamer supports most of the popular video encoders including Flash\* Media Live Encoder, Wirecast\*, Tricaster\*, TouchStream etc.

**High quality video streaming** - The cutting-edge resource allocation and bonding algorithms provides a high quality video stream with high resolution and high frame rate.

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



**Stream  
without  
limits**



*Stream over bonded  
3G/4G from anywhere.*

## STREAMER HARDWARE SPECIFICATIONS

Mechanical Dimensions	7.75"(W) x 3.13" (D) x 8.25"(H), ultra portable
Weight	4.2 lbs (including optional embedded rechargeable battery)
Input Power Requirement	12V DC via external power adaptor (110/240V AC) or optional embedded rechargeable battery
USB ports	8 (for cellular data card)
LAN ports (GbE)	1 (RJ-45 Ethernet connector)
Wired WAN ports	1 builtin + 8 (via the optional USB-to-Ethernet converter kit)
WiFi Access Point / WiFi WAN	Built-in 802.11n/g
Certifications	FCC, CE, RoHS-5, ICES-03, UL, cUL
Operating Temperature Range	-4 - 140 F, -20 - 60 °C
Relative Humidity Range	5% - 95% non-condensing
Storage Temperature Range	-22 - 158 F, -30 - 70 °C
Cooling	Active cooling with fan
Sliding Cover	Rail based sliding hardened cover protects the 3G/4G wireless cards connected via the stress-relief connectors
Streamer Relay Options	Cloud Relay as cloud service (requires your own CDN) 1RU rack-mountable Streamer Relay (requires your own CDN) 1RU rack-mountable Streamer Relay with built-in video server

## STREAMER SOFTWARE SPECIFICATIONS

Max throughput	30 Mbits/sec
Device management	Web based management LCD display Remote syslog Email Alerts
DHCP and DNS servers	DNS relay Parallel DNS optimization Support for DHCP server
Video Armor™ technology	Outages/fades on the 3G/4G cards are shielded from video
CDN Support	RTMP based video servers/CDNs & others (contact us for details)
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

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