

# Streamer™

*Video streaming solution over bonded Internet connections*



The Streamer is an ultra portable palm sized device that enables live streaming over bonded IP connections such as wireless cellular cards, DSL, cable and/or T1. Simply connect your video switcher, hardware encoder (or your encoder that is installed on your laptop) to the Streamer and start streaming to your video server or CDN as usual. Streamer is ideal for streaming live video and audio content to a website from anywhere you have cellular coverage. Up to 4 Internet connections can be combined to increase the available bandwidth for HD quality video and to provide high reliability video streaming. Streamer will accept various types of video streams via an Ethernet cable that is connected to the Streamer. Streamer will bond the available Internet connections that are plugged into the unit and will send the stream to your preferred CDN (Content Delivery Network) through Mushroom Networks cloud relay points. The relay service is transparent to your application.

## 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 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\* and 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** - Streamer can also be used to access the Internet over the bonded connection.

**Stream without limits**



*Stream high-quality video reliably over bonded wireless cards, from anywhere.*

## STREAMER HARDWARE SPECIFICATIONS

Mechanical Dimensions	5.7"(W) x 3.9" (D) x 2.0"(H), ultra portable
Weight	1.32 lbs.
Input Power Requirement	external power supply or optional rechargeable battery
USB ports	4 (for cellular data card)
LAN ports (10/100baseT, auto-sensed)	1 (RJ-45 Ethernet connector)
Wired WAN ports	4 (via the optional USB-to-Ethernet converter kit)
Certifications	FCC, CE, RoHS-5, ICES-03, UL, cUL
Operating Temperature Range	32-113 F, 0-45 °C
Relative Humidity Range	0-90% @ 45 °C , non-condensing
Storage Temperature Range	14-140 F, -10 - 60 °C
Storage Humidity Range	5-95% 45 °C, non-condensing
Cooling	Active cooling

## STREAMER SOFTWARE SPECIFICATIONS

Max throughput	35 Mbits/sec
Video Streams supported	RTMP based video streams & others (contact us for details)
Device management	-Web based management -SNMP -Remote syslog -Email Alerts
DHCP and DNS servers	-DNS relay -Parallel DNS optimization -Support for DHCP server
DDNS	-Support dynamic DNS for multiple interfaces
CDN Support	-RTMP based video servers/CDNs & others (contact us for details)
VOM	Supports Video Optimization Module service
Firewall	-Stateful packet inspection -DMZ support -Inbound/outbound port filtering
QoS	Built-in traffic prioritization for video streaming

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