BLONDER TONGUE

toner
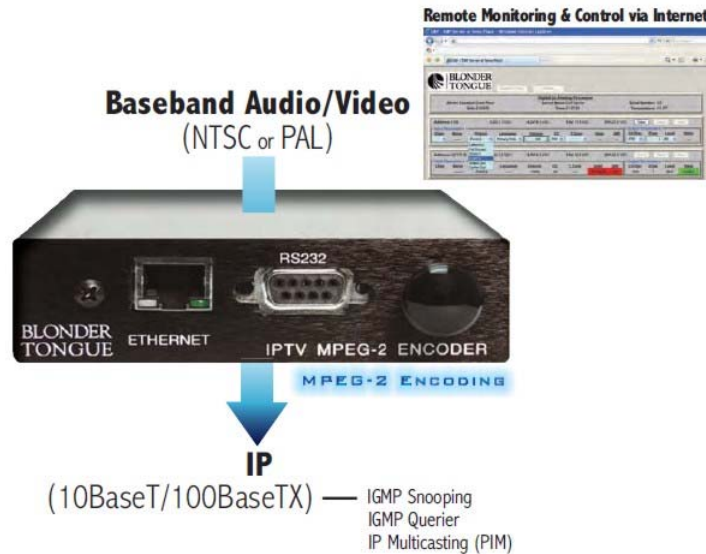### cable equipment, inc.
www.tonercable.com

IPME-2

IP Encoder-AV 1x AV ► 1x IP

IPME-2 (IP Encoder-AV) accepts one input in Baseband Audio/Video format, and delivers one MPEG-2 encoded IP stream compatible with 10BaseT Ethernet or 100BaseTX Fast Ethernet standards.

Features

• Supports Packet Shaping to achieve consistent packet rate and minimum latency
• Utilizes Forward Error Correction to reconstruct lost or corrupted packets
• Compact design allows for deployment or three encoders in 1RU
• Comprehensible remote monitoring and control capabilites
• Streams can be viewed on a TV monitor or on a computer
• User-controlled output bandwidth (1.5 to 7.5 Mbps)
• Allows unlimited number of client viewing sessions
• Supports MPEG-2 standards RFC-1889 & RFC -2250
• Supports NTSC and PAL input video formats
• Support uni-cast and multi-cast modes

Ordering Information

Model	Stock #	Description
IPME-2	2420	IPTV MPEG-2 Encoder
IPME-CH	2419	Chassis and power supply (holds and powers up to three IPME-2 modules)
IPMPEG-LA	2412	MPEG License Authority fee (one is required with each IPME-2 module)
IPME-SM	2415	IPME Stream Manager (required to view streams on a computer, one module for up to 64 streams)
IPCV	2411	IP ClientViewer software CD & license (the virtual remote-control to view streams on a computer)
IP-AmiNET110	2431	IP-to-RF set-top box with remote control (required to view streams on a TV monitor, one unit for each TV set)
IP-IR Keyboard	2431IRK	Infra-red keyboard to program the set-top box (only one unit is required)

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Specifications

INPUT

Connectors	
Video:	1x "F" Female
Audio:	2x RCA Female (Left & Right)
Video Standards:	NTSC and PAL

OUTPUT

Connector:	1x RJ-45
Standards (Auto-sensing):	10BaseT Ethernet
	100BaseTX Fast Ethernet
Video Compression:	MPEG-2; RFC-1889 & RFC-2250
Video Bandwidth	User-selectable
Minimum:	30 fps @ 1.5 Mbps; 325x240 resolution
Recommended:	30 fps @ 3.8 Mbps; 720x480 resolution
Maximum:	30 fps @ 7.5 Mbps; 720x480 resolution
Streaming Modes:	Uni-cast and Multi-cast
Transport Stream:	UDP, or RTP over UDP
Quality of Service:	Packet Shaping,
	Forward Error Correction (FEC)

GENERAL

Dimensions (W x D x H):	
IPME-2:	4.125 x 7.5 x 1.25 inches (105 x 191 x 132 mm)
IPME-SM:	4.125 x 7.5 x 1.25 inches (105 x 191 x 132 mm)
IPME-CH:	19.0 x 8.25 x 1.75 inches (483 x 210 x 44 mm)
Power:	100 to 265 VAC; 50 to 60 Hz
	(Fuse: 3.15 amp, 250 VDC, LBC)
Power Dissipation:	15 W (fully loaded with 3 modules)
Weight:	
IPME-2:	0.8 lbs (0.36 kg)
IPME-SM:	0.8 lbs (0.36 kg)
IPME-CH:	5.125 lbs (2.32 kg); Fully loaded
Operating Temperature:	32 to 122 °F (0 to 50°C)
Storage Temperature:	-13 to 158 °F (-25 to 70°C)
Operating Humidity:	0 to 95% RH @ 35°C max, non-condensation
Storage Humidity:	0 to 95% RH @ 35°C max, non-condensation

ALARMS / MONITORING / CONTROL

Indicators	
IPME-2:	Power (Green LED) & IP Link (Orange LED)
IPME-SM	Active (Green LED) & IP Link (Green LED)
Local Monitoring/Control:	Front-panel RS 232 interface
Remote Monitoring/Control:	GUI-based menu via Web browser

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