



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.

Remote Monitoring & Control via Internet



Baseband Audio/Video
(NTSC or PAL)



MPEG-2 ENCODING

IP

(10BaseT/100BaseTX) — IGMP Snooping
IGMP Querier
IP Multicasting (PIM)

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 of three encoders in 1RU
- Comprehensive remote monitoring and control capabilities
- 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
- Supports 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	2431 IRK	Infra-red keyboard to program the set-top box (only one unit is required)



SPECIFICATIONS

INPUT

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

OUTPUT

Connector:	1 x RJ-45
Standards (Auto-sensing):	10BaseT Ethernet 100BaseTX Fast Ethernet
Video Compression:	MPEG-2; RFC-1889 & RFC-2250
Video Bandwidth Minimum: Recommended: Maximum:	User-selectable 30 fps @ 1.5 Mbps; 325x240 resolution 30 fps @ 3.8 Mbps; 720x480 resolution 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: IPME-SM: IPME-CH:	4.125 x 7.5 x 1.25 inches (105 x 191 x 132 mm) 4.125 x 7.5 x 1.25 inches (105 x 191 x 132 mm) 19 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: IPME-SM: IPME-CH:	0.8 lbs (0.36 kg) 0.8 lbs (0.36 kg) 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: IPME-SM:	Power (Green LED) & IP Link (Orange LED) Active (Green LED) & IP Link (Green LED)
Local Monitoring/Control:	Front-panel RS232 interface
Remote Monitoring/Control:	GUI-based menu via Web browser

RELATED PRODUCTS

Model	Description
HDE-QAM	HDMI-to-QAM Encoder, 1RU
HDE-ASI	HD/SD/NTSC-to-ASI Encoder, 2RU
SD4E-ASI	SD/NTSC-to-ASI Encoder, 2RU
SD10E-QAM	10x SD/AV-to-QAM Encoder; 2RU
AV10E-QAM	10x AV-to-QAM Encoder; 2RU
HDE-2H-QAM	2x HDMI/YP _b P _r -to-QAM Encoder; 1RU
HDE-2C-QAM	2x YP _b P _r -to-QAM Encoder; 1RU
DQMx	ASI/8VSB/QAM-to-QAM Multiplexer, 1RU