advanced media technologies®

MODEL

DVM-2400

IP GATEWAY

KTech TELECOM

Performance

The DVM-2400 receives GigE, 8VSB RF, Cable QAM RF, or ASI input and converts the signal into ASI, GigE and NTSC Video. It performs QAM to GigE conversion. Designed with pluggable modules, GigE, 8VSB, ASI, NTSC modules are interchangeable per user's requirements

GigE Input/Output

- Data rate application up to 1250Mbps
- Compliant w IEEE 802.3z draft D5.0 1000BASE-SX Gigabit Ethernet
- SFP connector (Supports both fiber or copper)
- MPEG-2 over IP service (UDP based)
- Configure for IP address, subnet mask, and UDP port number.
- Filtering input packets based on IP address and UDP port number.
- Pluggable

8VSB/QAM Input

- 8VSB/QAM RF input tuner

DVB-ASI Input/Output

- ASI Output card contains 2 BNCs, carrying 1 MPTS each
- Pluggable

Video Decoding (Per Channel Basis)

- MPEG-2 Decoder in compliance with ISO/IEC 13818-1
- MP@ML, MP@LL, and SP@ML 4:2:0 video decoder
- 9.5MBits/Sec max. video bit-rate
- Average TS rate < 120 Mbps
- Pluggable

Audio Decoding

- MPEG-2 PES streams (MPEG-2 audio, MPEG-1 audio, AC-3, or Linear PCM)
- Sample rates supported: 32kHz, 44.1kHz, and 48kHz.
- Handles rates up to 28.5 Mbps
- Pluggable

Secondary Audio Program (SAP)

- Simultaneous Decoding with Primary Audio
- A channel must be dedicated to decode the SAP

User Interface

- Each channel is fully programmable to any IP and UDP port number
- All settings and controls can be viewed and set using an RJ45 Ethernet on Web Pages. Supports SNMP, FTP, and HTML

Available Modules

Inputs
GigE (Fiber or Copper) Input
ASI Input (option)
8VSB/QAM Input (option)
Output
GigE (Fiber or Copper) Output
6 NTSC & 6 Terminal Strip Audio L&R Outputs (max)
ASI Output (option)
Remote Control
RJ45 100BaseT Ethernet
Power
AC

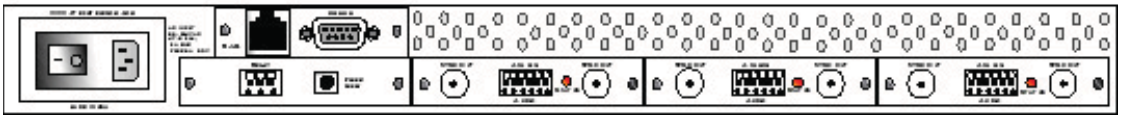
Applications

- QAM to GieG
- 8VSB to GigE
- GigE to ASI
- ASI to GigE
- GigE to NTSC/Analog L&R (converting SD streams from Fiber to NTSC)
- Digital Video Decoding and Monitoring

General Specifications (all specifications are preliminary and subject to change)

AC Power	
Frequency	47-63 Hz
Voltage	85-264 VAC
Current	2 A (max)
Fuse	3 A, 250V
Hot Plug	No
Redundancy	No
Operating Conditions	
Temperature	0º - 50ºC
Altitude	10,000 ft.
Humidity	95% non-condensing
Cooling	Forced Air front entry real exit
Dimensions	
Height	1.75”
Width	19”
Depth	18.7”
Safety & Agency	UL, FCC

User Interface	RJ45
Support	SNMP, FTP, HTML
Weight	
Net	10 lbs
Gross	15 lbs



Ordering Information

DVM-2400	-SLOT #`1	-SLOT #`2	-SLOT #`3	-SLOT #`4
Includes one 1RU Bare Chassis and management included	Select A1 (ASI Input) or G1 (GigE Input) R1 (8VSB/QAM input)	Select A2 (ASI Output) or G2 (GigE Output)	Select A2 (ASI Output) or X1 (NTSC Out)	Select A2 (ASI Output) or X1 (NTSC Out)

Optional Equipment Ordering Information

Part Number	Description
X1	Decoder Module: 2 Video and 2 L&R Audio
A1	ASI Input Card
C1	1RU Bare Chassis
G1	GigE Input Card
R1	8VSB/QAM RF Input Card

Part Number	Description
A2	ASI Output Card
G2	GigE Output Card
C2	GigE SFP Fiber Connector
C3	GigE SFP Copper Connector

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