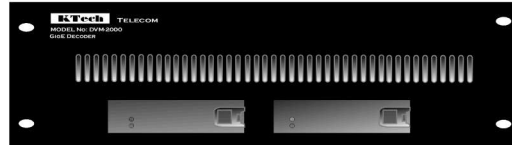


DVM-2000 GigE Decoder



Performance

The DVM-2000 receives a GigE fiber or copper input and decodes this source into 40 independent NTSC channels. The unit uses redundant AC or DC power. (A channel is defined as 1 NTSC, 1 Left Audio, and 1 Right Audio outputs.)

GigE Input

- 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)
- Providing up to 240 SD programs for video decoding.
- Configure for IP address, subnet mask, and UDP port number.
- Filtering input packets based on IP address and UDP port number.

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
- 15Mbytes/Sec max. video bit-rate
- Average TS rate < 120 Mbps
- Hot 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
- Hot 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)
Output
40 NTSC & 40 Terminal Strip Audio L&R Outputs (max)
ASI Output (option)
Remote Control
RJ45 Ethernet
Power
Dual AC
Dual DC (option)

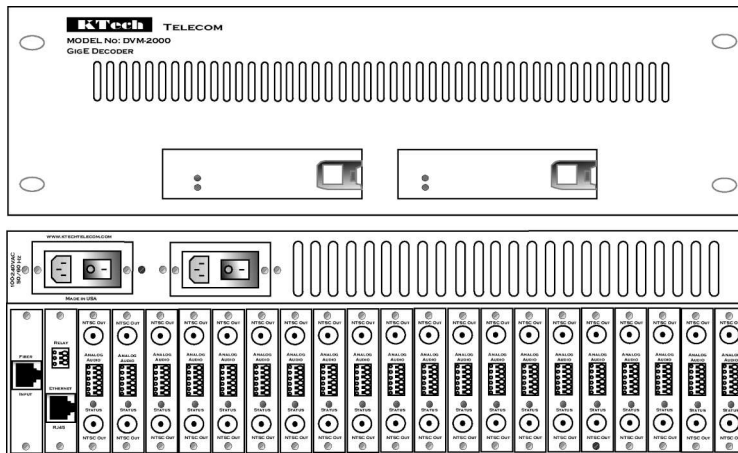
Applications

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		DC Power (option)	
Frequency	47-63 Hz	Frequency	
Voltage	85-264 VAC	Voltage	36-75 VDC
Current	3 A (max)	Current	5.4A @ 48VDC, 7.6A @ 36VDC
Fuse	5 A, 250V	Fuse	8A
Hot Plug	Yes	Hot Plug	Yes
Operating Conditions		User Interface Support	
Temperature	0° - 50°C		RJ45
Altitude	10,000 ft.		SNMP, FTP, HTML
Humidity	95% non-condensing		
Cooling	Forced Air front entry real exit		
Dimensions		Weight	
Height	5.25"	Net	20 lbs
Width	19"	Gross	25 lbs
Depth	18.7"		
Safety & Agency	UL, FCC		



Ordering Information

DVM-2000	-40	-GIGE-F	-PWRAC	-1
Includes one 3RU Bare Chassis and one MGT	STEP 1: Number of channels 20-40 in increments of 2	STEP 2: INPUT TYPE -GIGE-F: SFP Fiber -GIGE-C: SFP Copper -ASI: ASI Input	STEP 3: POWER TYPE -PWRAC: 90~264VAC 250W Power -PWRDC: 36~75 VDC 250W Power	STEP 4: Number of Power Supplies -1: One Power Supply -2: Two Power Supplies

Optional Equipment Ordering Information

Part Number	Description	Part Number	Description
DVM-2000-X2	Decoder Module: 2 Video and 2 L&R Audio	DVM-2000-AOUT	ASI Output Card
DVM-2000-AIN	ASI Input Card	DVM-2000-GIGE	GigE Input Card
DVM-2000-PWRDC	36~75 VDC Power Input	DVM-2000-SFP-Fiber	GigE SFP Fiber Connector
DVM-2000-PWRAC	90~264 VAC Power Input	DVM-2000-SFP-Copper	GigE SFP Copper Connector
DVM-2000-Chassis	3RU Bare Chassis	DVM-2000-MGT	Management Card