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This Professional OMH series encoder system allows users to select encoding of HD content from HDMI or HD/SDI sources in MPEG2 or MPEG4 and output them in QAM and or IP Streams in one easy to set up 1RU chassis. In addition, the chassis allows Ingest of IP streams for Multiplexing or QAM Modulation.

The OMH series Encoder system offers users a selection of 4, 6, 8 or 10 HDMI or SDI inputs which can be assigned to any of the 16 QAM channels in its modulation card and at the same time output via IP. Remote control and monitoring can be accomplished via the internal 4 port IP Switch. The chassis features dual hot swappable power supply's to ensure continued operation

Two different variations are available

OMH-100*H which features HDMI inputs and the OMH-100*S which features HD/DSI inputs.

Once you have the chassis additional encoder modules can be added to increase the number of Programs up to a maximum of 10 (5 modules)



Model	Description
OMH-1004H	Pre-Configured 4 Program HDMI input Encoder, QAM and IP output
OMH-1006H	Pre-Configured 6 Program HDMI input Encoder, QAM and IP output
OMH-1008H	Pre-Configured 8 Program HDMI input Encoder, QAM and IP output
OMH-1010H	Pre-Configured 10 Program HDMI input Encoder, QAM and IP output
OMH-1004S	Pre-Configured 4 Program HD/SDI input Encoder, QAM and IP output
OMH-1006S	Pre-Configured 6 Program HD/SDI input Encoder, QAM and IP output
OMH-1008S	Pre-Configured 8 Program HD/SDI input Encoder, QAM and IP output
OMH-1010S	Pre-Configured 10 Program HD/SDI input Encoder, QAM and IP output
OHE6-HDMI-02	HDMI Input Encoder module, 2 Program
OHE6-SDI-00	SDI Input Encoder module, 2 Program

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Specifications

Chassis	
Management	2 GbE ethernet Ports
I/P Input - Output	2 GbE ethernet Ports
Format	MPEG TS over UDP/RTP, Unicast or Multicast, SPTS or MPTS
Power	Dual 120-240VAC power supplies
Current	120 Watts Maximum
Size	19" x 1.75" x 16.9" (480 x 44 x 430mm)
Weight	17 Lbs
Operating temperature	32°-122°F (0-50°C)
HDMI Encoder	
Input	2 HDMI (V 1.4)
Closed Caption	2 RCA
Video Codec	MPEG2 SD/HD, MPEG4 SD/HD
Resolution	SD 480i, 576i
	HD 720p, 1080i, 1080p
Bitrate	1 to 18 Mibps
Audio	AC3, AAC, MPEG-1 LayerII
Power	16 Watts Maximum
SDI Encoder	
Input	2 SDI or CVBS, BNC Female
Video Codec	MPEG2 SD/HD, MPEG4 SD/HD
Resolution	SD 480i, 576i
	HD 720p, 1080i, 1080p
Bitrate	1 to 18 Mibps
Audio	AC3, AAC, MPEG-1 LayerII, SPTS or MPTS, Imbedded or Analog on Phoenix connector
Power	16 Watts Maximum
Modulation	
Output	16 separate QAM Channels
Frequency	Programable 47-862 MHz
Standard	ITU J.83 Annex B (A and C optional)
Bandwidth	6 MHz
Constellation	64 QAM and 256 QAM
Symbol Rate	3.6 - 6.9 Ms/s
RF output level	46 dBmV
MER	> 40 dB
Power	28 Watts Maximum