

## 8 Channel HDMI Encoder-Modulator with ASI HDM 8C

HDM 8C is a professional high integration device which includes encoding, multiplexing, and modulating in one box. It supports 8 HDMI inputs and DVB-C RF out with 4 adjacent carries and 4 MPTS out as mirror out of the 4 modulation carriers via DATA (GE) port. This full function device makes it ideal for small CATV head end system, and it's a smart choice for hotel TV system, entertainment system in sports bar, hospital, apartment...



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### HDM 8C

#### Technical Specification

<b>Input</b>	8 HDMI inputs; 128 IP inputs;		
<b>Video</b>	Encoding	MPEG-4 AVC/H.264	
	Resolution	In-put	1920×1080_60P, 1920×1080_60i, 1920×1080_50P, 1920×1080_50i, 1280×720_60P, 1280×720_50P, 720×576_50i,720×480_60i,
		Out-put	1920×1080_30P, 1920×1080_25P, 1280×720_30P, 1280×720_25P, 720×576_25P,720×480_30P,
	Bit-rate	1Mbps~13Mbps each channel	
	Rate Control	CBR/VBR	

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<b>Audio</b>	Encoding	MPEG-1 Layer 2, LC-AAC, HE-AAC and AC3 Pass Through
	Sampling rate	48KHz
	Resolution	24-bit
	Audio Gain	0-255 Adjustable
	MPEG-1 Layer 2 bit-rate	48/56/64/80/96/112/128/160/192/224/256/320/384 kbps
	LC-AAC bit-rate	48/56/64/80/96/112/128/160/192/224/256/320/384 kbps
	HE-AAC bit-rate	48/56/64/80/96/112/128 kbps
<b>Multiplexing</b>	Maximum PID Remapping	180 input per channel
	Function	PID remapping ( automatically or manually)
		Generate PSI/ SI table automatically

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Technical Specification					
<b>Modulation</b>	DVB-C	RF out	4*RF DVB-C out (4 carriers combined output), F type interface		
		Standard	EN300 429/ITU-T J.83A/B		
		MER	≥40db		
		RF frequency	50~960MHz, 1KHz step		
		RF output level	-25~-1dBm (82~105 dbμV), 0.1dBm		
		Symbol Rate	5.0Msps~7.0Msps, 1ksps stepping		
			J.83A	J.83B	
		Constellation	16/32/64/128/256QAM	64/256 QAM	
		Bandwidth	8M	6M	

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#### Technical Specification

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<b>Modulation</b>	DVB-T	RF out	4*RF DVB-C out (4 carriers combined output) ,F type interface
		Standard	EN300744
		FFT mode	2K,
		Bandwidth	6M, 7M, 8M
		Constellation	QPSK, 16QAM, 64QAM
		Guard Interval	1/4, 1/8, 1/16, 1/32
		FEC	1/2, 2/3, 3/4, 5/6, 7/8
		MER	≥42 dB
		RF frequency	50~960MHz, 1KHz step
		RF output level	-28~ -3 dBm (77~97 dbμV), 0.1db step

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<b>Stream output</b>	4 IP MPTS output over UDP/RTP/RTSP, 1*1000M Base-T Ethernet interface	
<b>System function</b>	Network management (WEB)	
	English language	
	Ethernet software upgrade	
<b>Miscellaneous</b>	Dimension (W×L×H)	482mm×328mm×44mm
	Environment	0~45°C(work) ; -20~80°C (Storage)
	Power requirements	AC 110V± 10%, 50/60Hz, AC 220 ±10%,50/60Hz