

## HCM-1002D

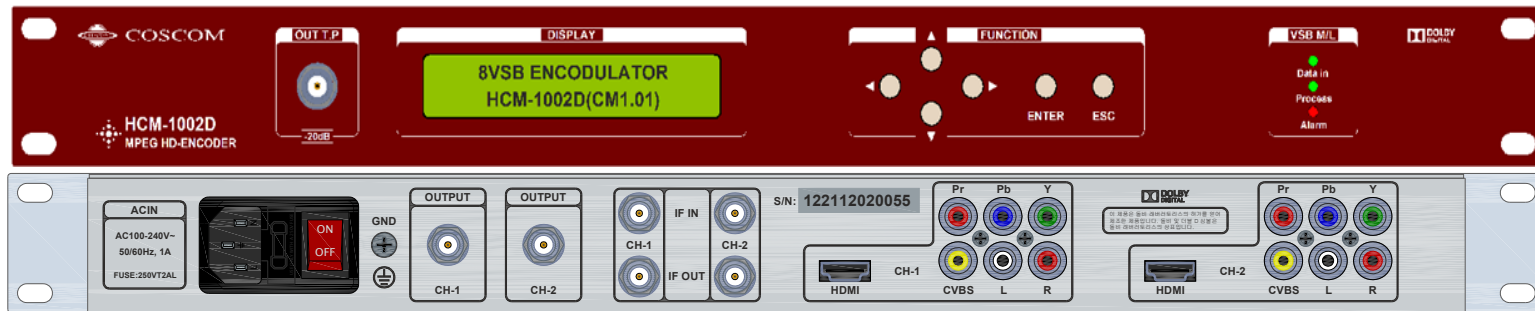
### 2CH Mpeg HD Encoder & 8-VSB Modulator(HCM-1002D)



- **Dual channel MPEG-2 HD Encoding & H.264 Encoding(option)**
- **Composite, Component, HD-SDI & HDMI inputs HDMI HDCP지원.**
- **Audio channels as either analog or digital audio input.**  
( Mpeg1 Layer II audio and Dolby AC3 )
- **SI Tables : PSI/PSIP(MGT,VCT) multiplexing**
- **Main Profile @ High level MPEG-2 video encoder, 0 to 20Mbps.**
- **ATSC - ASI TS Output. (option),**
- **Dual 8VSB RF 출력 - 각각 출력 주파수 셋팅가능**
- **RF 출력 option : 8VSB ( DVB-T / DVB-T2 / DVB-S /DVB-S2 별도 옵션)**
- **IP streamer (별도 option)기능 지원**

## HCM-1002D

### Electrical Specification



#### Input

Connector	( HDMI, HD-SDI(option), Component(Y,Pb,Pr), Composite(CVBS),S-Video(option), 스테레오 L/R ) X 2
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#### RF Output

Modulation	ATSC 8VSB
Connector	F-type X 2
Impedance	75 Ω

#### RF Testpoint (front)

Level	-20 dB ± 1 dB
Impedance	75 Ω
Connector	F-connector

### Physical Specification

Width/Height /Depth Weight	482 X 44 X 392 mm 4kg
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**HCM-1002D****Signal Specifications**

<b>Input Video</b>	
Connector	Composite (RCA) Component (RCA) HDMI , HD SDI (BNC)
Resolution	Composite(480i), Component(1080i/720p/480i), HDMI(1080i/720p/480i),SDI(1080i/720p/480i)
Frame	Interlace : 24/29.97/30 fps Progressive : 50/59.94/60 fps
Encoding	ISO/IEC 13818-2 (MPEG2 MP@HL) / H.264 (option)
<b>Input AUDIO</b>	
Connector	Composite (RCA), HDMI , HD SDI (BNC)
Encoding	ISO/IEC 13818-3 Dolby AC3 & MPEG-1 Layer II
Bitrate	128/192/256/384/448 Kbps (48Khz sampling rate)
<b>8 VSB RF Output -- Option</b>	
Output Frequency	54 MHz and 870 MHz (가변채널)
Output Level Adjustable	8-VSB -115 dBuV
Output Typical Operating Level	8-VSB -110 dBuV
Frequency response	≤ ±0.5 dB (5.38MHz대역내)
Group delay	≤ ±50 ns
Phase noise (VHF)	≤ -98dBC/Hz @ 20 kHz
Phase noise (UHF)	≤ -98 dBC/Hz @ 20 kHz
Spurious	≥ -60 dB 이하
Phase Err	≤ 2.0 deg 이하 (EQ-OFF)
Mag Err(IQ Err)	≤ 2.0 % 이하 (EQ-OFF)
EVM(RMS)	≤ 2.5 % 이하 (EQ-OFF)
SNR	≥ 34 (EQ-OFF)
Return Loss	-14이하
Frequency Tolerance	≤ 전대역 1Khz 이내

## HCM-1002D

### Environmental Specification

Operating temperature	Operating temperature : 0°C to 50°C
Storage temperature	Storage temperature : -20°C to 80°C
Power supply	86 ~ 264VAC/60Hz
Power consumption(maximum)	220V : RMS_0.24A (25.5W)

### Application

