



HD Digital Encoder

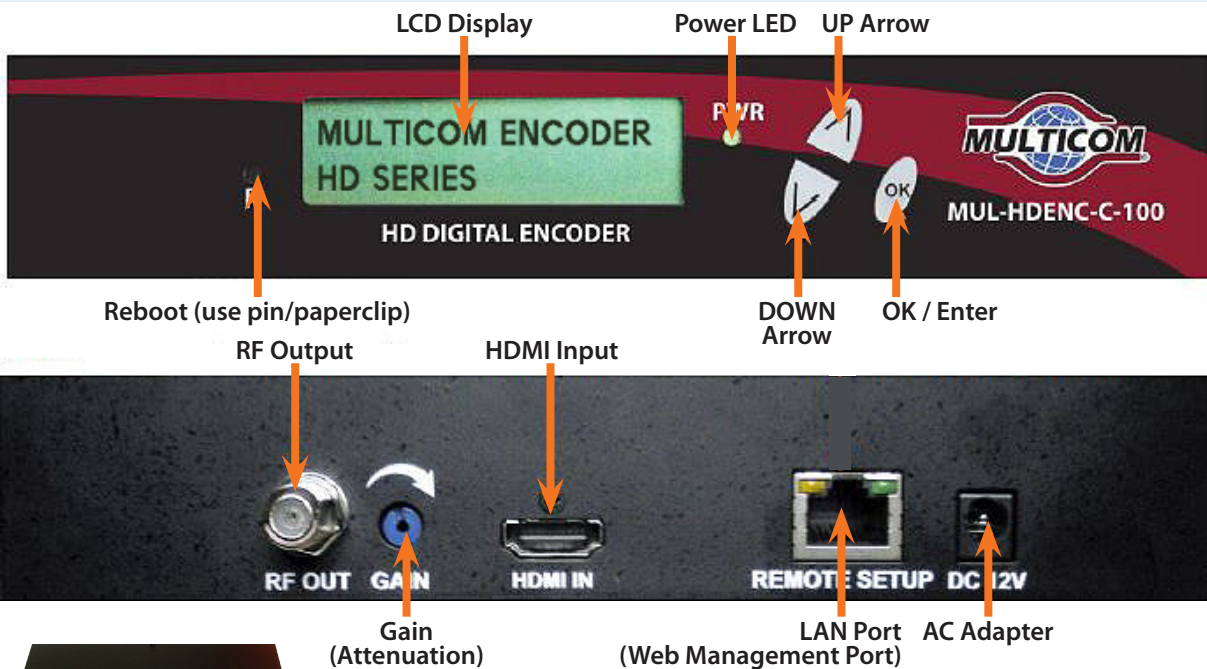
Product Specifications



Description

The Multicom MUL-HDENC-C-100 High Definition Agile Digital Encoder used to convert a single unencrypted HDMI input of up to 1080i/1080p into a J.83B QAM 64 / J.83B QAM 256 RF or ATSC (8VSB) output. The MUL-HDENC-C-100 is feature rich, very flexible, powerful, user friendly, and is easy to use for both residential and commercial applications.

This compact and economical HD Encoder is also perfect for multi-video distribution solutions in institutional markets such as hotels, motels, sports bars, restaurants, hospitals, casinos, business and university campuses and digital signage, as well as home entertainment systems. It features a front-mounted LCD display allowing easy configuration and adjustments.



HD Digital Encoder Kit Includes:

- 6' HDMI Cable
- AC Adapter
- User Manual

MUL-HDENC-C-100-NA

NA = Default USA: QAM
MX = Default Mexico: ATSC

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HD Digital Encoder

Product Specifications

Inputs	
HDMI	Single
Audio	HDMI 1.4 Embedded
Output - QAM J.83B	
Standard	J.83B, ATSC-8VSB
Connector	1 x "F" Female
RF Mode	Normal / Inverted
Channel Type	J.83B: STD / HRC / IRC, ATSC-8VSB
Frequency Range	J.83B: 57 - 861 MHz (Ch2 - Ch135), ATSC-8VSB: 57-803 MHz (Ch2 - CH69)
Interleaver	I=128, J=1
Output Level	38 dBmV Typical (With 20dB Range Manually Adjustable)
Flatness Across Full Band	± 2dB Typical
MER	39dB Typical
Constellation (Output Bitrate)	J.83B: 64-QAM (26.970Mbps) / 256-QAM (38.810Mbps) ATSC-8VSB: 8VSB (19.390Mbps)
Output Impedance	75 Ohm
RF Output Return Loss	10dB Typical
VCN (J.83B & ATSC)	Auto (Major & Minor) / Manual (Major & Minor) / Manual (One Part)
Video / Audio Encoding Profile - Video	
Video Codecs	MPEG-2 VBR
Bitrate (Adjustable)	J.83B: HD: 12.0 – 24.0 Mbps, SD: 1.0 – 9.0 Mbps ATSC-8VSB: HD: 12.0 - 18.0 Mbps, SD: 1.0 – 9.0 Mbps
Resolution Output	Same as input except: 1080p60 in, 1080p30 out; 1080p50 in, 1080p25 out; 1080p30 in, 1080p30 out; 1080i60 in, 1080p30 out; 1080i50 in, 1080p25 out; 1080i30 in, 1080p30 out
Video / Audio Encoding Profile - Audio	
Audio Codecs	AC-3 , MPEG4 AAC , MPEG1 Layer II
General	
Local Monitoring	LCD
Web GUI Supported	Firefox, Chrome, Safari, Edge
Password Protected	Web GUI, User Selectable
Power Supply	12 VDC 1.5A, 100-240VAC 50/60Hz, US Plug
Consumption	5 Watts
Operational Temperature	0°C to +55°C
Storage Temperature	-20°C to +70°C
Dimensions	188mm x 130mm x 37.2mm (7.40 x 5.11 x 1.46 in)
Weight	0.95 Kg (2.09 lb)
Language	English

Features

- Unencrypted HDMI input, J.83B QAM RF or ATSC-8VSB output
- Adjustable Attenuation
- RJ-45 port for web configuration
- Video resolution up to 1080p
- Perfect, clean, and clear picture on high motion video, sports, text crawls/rolls, etc.
- Front panel LCD for easy setup
- Cool and silent operation



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