



ENCODER-MODULATOR

HDM-9500

HDM-9504, HDM9508 with C/T, 4 / 8 HDMI Inputs with 2/4 DVB-C or –T output

H.264/AVC

HDMI

ASI

IP / Ethernet

DVB-C

DVB-T/T2

ISDB-T

QAM

Model designation as per manufacturer reference

Overview

The VIZOBOX HDM-9500 is an all-in-one encoder-modulator that converts HDMI inputs into adjacent DVB-C/-T RF channels, integrating encoding, multiplexing and modulation in a single unit.

Key Features & Applications

- ✓ HDM-9504, HDM9508 with C/T, 4 / 8 HDMI Inputs with 2/4 DVB-C or –T output
- ✓ the output channels
- ✓ Ordering Info's: C= DVB-C, T = DVB-T output, I=ISDB-Tb and A=ATSC
- ✓ 9508T = 8x HDMI IN + DVB-T OUT
- ✓ DVB-C or –T modulating RF outputs – adjacent
- ✓ factory) -> So always use proper character when ordering
- ✓ optional upon request. E.g.: HDM-9504C= 4x HDMI IN + DVB-C OUT, HDM

Technical Specifications

Input	4/8 HDMI inputs; 64/128 IP inputs
Encoding	MPEG-4 AVC/H.264 1920×1080p60, 1920×1080i60, 1920×1080p50, 1920×1080i50,
Input	1280×720p60, 1280×720p50,
Resolution	720×576i50, 720×480i60, Video 1920×1080p30, 1920×1080p25,
Output	1280×720p30, 1280×720p25, 720×576p25, 720×480p30,
Bit-rate	1Mbps...13Mbps each channel
Rate Control	CBR/VBR
Encoding	MPEG-1 Layer 2, LC-AAC, HE-AAC and AC3 Pass-Through
Sampling rate	48KHz
Resolution	24bit Audio
Audio Gain	0...255 Adjustable
MPEG-1 Layer 2 bitrate	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
Maximum PID Remapping	180 inputs per channel PID remapping (automatic or manually)
Multiplexing	Function · Generating of PSI/ SI tables automatically
RF out	2/4 x RF DVB-C out (2/4 carriers on combined IN -> Output)
Standard	EN300429/ITU-TJ.83A/B: DVB-C Annex A/B
MER	≥40dB
RF frequency	50...960MHz, 1KHz step DVB-C

RF output level	-25...-1dBm (82...105 dB μ V), 0.1dBm
Symbol Rate	5.0Msps...7.0Msps, 1ksps stepping
J.83A	J.83B (US)
Constellation	16/32/64/128/256QAM · 64/256 QAM
Modulation	Bandwidth · 8MHz · 6M
Standard	EN300744
FFT mode	2K
Bandwidth	6MHz, 7MHz, 8MHz
Constellation	QPSK, 16QAM, 64QAM DVB-T
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...960 MHz, 1KHz steps
RF out	2/4xRF COFDM DVB-T out (2/4 carriers combined output)
level	-28... -3 dBm (77...97 dB μ V), 0.1dB step
Output	RF output · (F male) 75 Ohm
Stream output	2/4 IP MPTS outputs over UDP/RTP/RTSP, 1x1000M Base-T Ethernet interface
System	English · Network management (WEB-GUI), Software upgrade via Ethernet
Misc	Dimensions · (W×L×H) 482mm×328mm×44mm
Environment	0...45°C(working); -20...80°C (Storage)
Power	AC 110V± 10%, 50/60Hz, AC 220 ±10%,50/60Hz



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Model designation follows the manufacturer reference. Specifications are indicative, may vary by configuration and are subject to change without notice. © 2026 Vizobox Development GmbH. All rights reserved.