



MDU Solutions[®]

DVIS

DigiVu[®]

HD Encoder Card:

(for DVIS / DVISm / DVISf / DigiVu / DigiVu Mini / DigiVu CD Platforms)

- ▶ MPEG-2 & H.264 (AVC/MPEG-4 Part 10) HD encoding
- ▶ Cost-effective HD encoding for headend/hub applications, locally generated MDU content, PEG channels
- ▶ QAM, IP & PON overlay/RFoG output
- ▶ Scalable HD encoding:
 - ▶ QAM Output: up to 3 HD programs in DVISm/DigiVu Mini & up to 5 HD programs in DVIS/DigiVu/DigiVu CD
 - ▶ IP Output (copper/fiber): up to 2 HD programs in DVISm/DigiVu Mini & up to 4 HD programs in DVIS/DigiVu/DigiVu CD
 - ▶ PON Overlay/RFoG Output: up to 5 HD programs in DVISf
- ▶ Spectrum efficient & compact HD encoding with all HD programs multiplexed onto single QAM (format dependent)
- ▶ Possibility of mixing HD & SD encoder cards within one platform, creating best spectrum usage for QAM transport
- ▶ Hot-swappable 1-channel HD encoder card
- ▶ All other DVIS/DVISm/DVISf/DigiVu/DigiVu Mini/DigiVu CD features/specs apply



Ordering Information

Part Number	Description
DV1HDA	1-channel HD Encoder Plug-in Card (Comp/VGA)

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HD Encoder Card Specifications

HD/SD ENCODER CARD SPECIFICATIONS		DV1HDA
VIDEO INPUTS		
COMPONENT		
CONNECTOR	3x RCA Female	
CHROMA FORMAT	YPbPr 4:2:2	
RESOLUTIONS	480p_60 (59.94) 576p_50 720p_60 (59.94) 720p_50 1080i_60 (59.94) 1080i_50	
PC - VGA		
CONNECTOR	DE-15 Female, 15-Pin, 3 Rows	
CHROMA FORMAT	RGB 4:4:4	
RESOLUTIONS	640 x 480, 60 Hz 800 x 600, 60 Hz 1280 x 720, 60 Hz 1024 x 768, 60 Hz 1280 x 1024, 60 Hz 1366 x 768, 60 Hz 1400 x 1050, 60 Hz 1920 x 1080, 60 Hz	
AUDIO INPUTS		
ANALOG L/R		
CONNECTOR	TRS 3.5 mm Female, 2x RCA Adapter Female	
DIGITAL SPDIF		
CONNECTOR	1x RCA (Coaxial) Female	
AUDIO STANDARD	IEC 61937:AC3 (Pass Through)	
MAX CHANNELS	6 (5.1) Pass Through	
VIDEO PROCESSING		
ENCODING	MPEG-2	H.264
ENCODE LEVEL	MPEG-2 HD MP @ HL	High Profile Level 5
CHROMA	4:2:0	4:2:0
BIT RATE	1-25 Mbps	1-25 Mbps
COMPONENT VIDEO RESOLUTIONS	480p_60 (59.94) 576p_50 720p_60 (59.94) 720p_50 1080i_60 (59.94) 1080i_50	
VGA RESOLUTIONS	640 x 480, 60 Hz 800 x 600, 60 Hz 1280 x 720, 60 Hz 1024 x 768, 60 Hz 1280 x 1024, 60 Hz 1366 x 768, 60 Hz 1400 x 1050, 60 Hz 1920 x 1080, 60 Hz	
VIDEO PID SETTING	Yes (0x0015-0x1FFE; dec. 21-8190)	
VBI PROCESSING	Closed Captions	
AUDIO PROCESSING		
AUDIO ENCODER		
ENCODE STANDARD	Dolby® Digital AC-3 ATSC A/52 (2.0)	
SAMPLE RATE	48 kHz	
BIT RATE	192, 256, 384 kbps	
AUDIO PID SETTING	Yes (0x0015-0x1FFE; dec. 21-8190)	
DIGITAL AUDIO PASS THROUGH		
AC-3 (2.0/5.1) PASS THROUGH	Yes (S/PDIF)	
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Specifications subject to change without notice.

