

DVIS™ DigiVu®



HD Encoder Cards
(front view)

HD Encoder Cards (for DVIS / DVISm / DigiVu / DigiVu Mini / DigiVu CD Platforms)

Features

- Cost-effective HD encoding for headend/hub applications, locally generated MDU content, PEG channels
- Two cards that accommodate different video input options:
 - Component/VGA
 - HDMI™
- MPEG-2 and H.264 (AVC/MPEG-4 Part 10) HD encoding
- QAM, IP and PON overlay/RFoG deployment applications
- Scalable HD encoding:
 - QAM Output: up to three HD programs in DVISm/DigiVu Mini and up to five HD programs in DVIS/DigiVu/DigiVu CD
 - IP Output (copper/fiber): up to two HD programs in DVISm/DigiVu Mini and up to four HD programs in DVIS/DigiVu/DigiVu CD (requiring IP output card)
 - PON Overlay/RFoG Output: up to two HD programs in DVISm/DigiVu Mini and up to four HD programs in DVIS/DigiVu/DigiVu CD (requiring Optical Transmitter Card)
- Spectrum efficient and compact HD encoding with all HD programs multiplexed onto single QAM (format dependent)
- Possibility of mixing HD and SD encoder cards within one platform, creating best spectrum usage for QAM transport
- All other DVIS/DVISm/DigiVu/DigiVu Mini/DigiVu CD features/specs apply



DV1HDA



DV1HDMI



Specifications

HD Encoder Cards

	DV1HDA	DV1HDMI
VIDEO INPUTS		
COMPONENT/HDMI		
CONNECTOR	3x RCA Female	1x HDMI Female (Type A) ⁽¹⁾
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	n/a
CHROMA FORMAT	RGB 4:4:4	n/a
RESOLUTIONS	640 x 480, 60 Hz	n/a
	800 x 600, 60 Hz	n/a
	1280 x 720, 60 Hz	n/a
	1024 x 768, 60 Hz	n/a
	1280 x 1024, 60 Hz	n/a
	1366 x 768, 60 Hz	n/a
	1400 x 1050, 60 Hz	n/a
	1920 x 1080, 60 Hz	n/a
AUDIO INPUTS		
ANALOG L/R		
CONNECTOR	TRS 3.5 mm Female, 2x RCA Adapter Female	
DIGITAL SPDIF		
CONNECTOR	1x RCA (Coaxial) Female	n/a
AUDIO STANDARD	IEC 61937:AC-3 (Pass Through)	n/a
MAX CHANNELS	6 (5.1) Pass Through	n/a
HDMI		
AUDIO STANDARD	n/a	PCM

Ordering Information

Part Number	Description
DV1HDA	1-channel Component/VGA Encoder Plug-in Card
DV1HDMI	1-channel HDMI Encoder Plug-in Card

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HD Encoder Cards

	DV1HDA	DV1HDMI
VIDEO PROCESSING		
ENCODING	MPEG-2	H.264
ENCODE LEVEL	MPEG-2 HD MP @ HL	High Profile Level 5
CHROMA	4:2:0	
BIT RATE	1-25 Mbps	
COMPONENT/HDMI 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	n/a
	800 x 600, 60 Hz	n/a
	1280 x 720, 60 Hz	n/a
	1024 x 768, 60 Hz	n/a
	1280 x 1024, 60 Hz	n/a
	1366 x 768, 60 Hz	n/a
	1400 x 1050, 60 Hz	n/a
	1920 x 1080, 60 Hz	n/a
VIDEO PID SETTING	Yes (0x0015-0x1FFE; dec. 21-8190)	
VBI PROCESSING	Closed Captions (Line 21/EIA-608 captions) via Separate CVBS Connected Source	
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)	n/a
PHYSICAL & ENVIRONMENTAL		
DIMENSIONS	6.5"H x 0.75"W x 3.0"D (16.5H x 1.9W x 7.6D cm)	6.5"H x 0.75"W x 3.0"D (16.5H x 1.9W x 7.6D cm)
WEIGHT	0.33 lbs (0.15 kg)	0.35 lbs (0.16 kg)

NOTE:

(1)HDCP encrypted content is not supported.

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