

DV6000 VIDEO TRANSPORT MODULES
Product Family Interface Cards
Interfaces

- NTSC
- PAL
- HD-SDI
- SDI
- SDTI
- QAM IF
- Analog IF
- DVB-ASI
- SMPTE 310
- 10/100 BaseT Ethernet
- DS3 / T1
- E3 / E1
- RS-232 / 422 / 485



One of the many strengths of the DV6000 Product Family is its wide variety of Interface cards. All DV6000 Product Family Interface cards can be used in the DV6000, DV6408, and DV6444 equipment shelves. All single-width modules also function within the DV6300 systems.

These cards encode the unique video, audio, and data signals into the DV6000's digital format where they are multiplexed and optically transported. Matching decoders perform the opposite functionality to convert the signals back to their original format. As new video, audio, and data formats have emerged, the DV6000 Product Family has remained in front of the technology curve by continually enhancing existing interface cards and creating new ones.

The following pages list the model numbers and descriptions of the product line's current set of interface cards. Individual data sheets are also available for many cards detailing their applications and specifications.

PRODUCT FAMILY INTERFACE CARDS

Ordering Information

Part Number	Description
Baseband Video/Audio/Serial Data Encoder and Decoder Cards	
DV6101VEN2M03	Baseband NTSC video with 2-channel audio encoder
DV6102VDN2M01	Baseband NTSC video with 2-channel audio decoder
DV6101VEP2M03	Baseband PAL video with 2-channel audio encoder
DV6102VDP2M01	Baseband PAL video with 2-channel audio decoder
DV6101VEN4M02	Baseband NTSC video with 4-channel audio encoder
DV6102VDN4M	Baseband NTSC video with 4-channel audio decoder
DV6101VEP4M	Baseband PAL video with 4-channel audio encoder
DV6102VDP4M	Baseband PAL video with 4-channel audio decoder
DV6101VEN22M	Baseband NTSC video with 2-channel audio and 2-channel RS-232/422/485 encoder
DV6102VDN22M	Baseband NTSC video with 2-channel audio and 2-channel RS-232/422/485 decoder
DV6101VEP22M	Baseband PAL video with 2-channel audio and 2-channel RS-232/422/485 encoder
DV6102VDP22M	Baseband PAL video with 2-channel audio and 2-channel RS-232/422/485 decoder
Baseband Video/BTSC Audio Encoder and Decoder Cards	
DV6081VEB	Baseband video encoder equipped with one 4.5MHz BTSC compatible audio channel
DV6082VDB	Baseband video decoder equipped with one 4.5MHz BTSC compatible audio channel
Multi-Port DVB-ASI and SMPTE 310M Interface Cards	
DV6101MASI01	Multi-port DVB-ASI and SMPTE 310M encoder
DV6102MASI01	Multi-port DVB-ASI and SMPTE 310M decoder
Combination SDI or DVB-ASI Encoder and Decoder Cards (Notes 1, 2, 3, 4)	
DV270DVBEN0	Combination SDI or DVB-ASI encoder
DV270DVBDN0	Combination SDI or DVB-ASI decoder
DV270DVBEN4	Combination SDI or DVB-ASI with 4 baseband analog audio channel encoder
DV270DVBDN4	Combination SDI or DVB-ASI with 4 baseband analog audio channel decoder
Single-Port DVB-ASI Encoder and Decoder Cards (Notes 1, 3, 4)	
DV6101DVBE	Single-Port DVB-ASI encoder; supports DVB-ASI signals with payloads up to 216Mbps
DV6102DVBD	Single-Port DVB-ASI decoder; supports DVB-ASI signals with payloads up to 216Mbps
HDSDI/SDI/DVB-ASI Transport Modules	
DV6SDIR (DV6SDIRSC)	SDI/HD-SDI/DVB-ASI Receiver Line Card less SFP optics w/ FC/UPC bulkhead (SC/UPC bulkhead)
DV6SDIT (DV6SDITSC)	SDI/HD-SDI/DVB-ASI Transmitter Line Card less SFP optics w/ FC/UPC bulkhead (SC/UPC bulkhead)
DV6SDITR	SDI/HD-SDI/DVB-ASI Transceiver less SFP optics (w/ LC bulkhead)
SDI/DVB-ASI Tributary Transport Modules (Note 1)	
DV270SDIT (DV270SDITSC)	SDI/DVB-ASI Double Wide Decoder/Transmitter less SFP optics w/ FC/UPC bulkhead (SC/UPC bulkhead)
DV270SDIR (DV270SDIRSC)	SDI/DVB-ASI Double Wide Receiver/Encoder less SFP optics w/ FC/UPC bulkhead (SC/UPC bulkhead)
SFP Optics (Note 5)	
SFP-SDT00S02D1	270 Mbps SFP, 1310nm, 20km
SFP-MRF00S05D1	270 Mbps -1.4Gbps SFP, 1550nm, 50km
SFP-MRCxxS06D1	270 Mbps -1.4Gbps SFP, CWDM wavelength 1xx0nm (xx = 47-61), 60km
SFP-MRCxxS10D1	270 Mbps -1.4Gbps SFP, CWDM wavelength 1xx0nm (xx = 47-61), 100km
SFP-MRDxxS08D1	270 Mbps -1.4Gbps SFP, DWDM ITU channel xx (xx = 43-50), 80km
SFP-MRDxxS12D1	270 Mbps -1.4Gbps SFP, DWDM ITU channel xx (xx = 43-50), 120km

Ordering Information (cont'd)

Part Number	Description
NTSC Intermediate Frequency (IF) Encoder and Decoder Cards	
DV6101NCE	NTSC IF encoder for analog, 64-QAM, 256-QAM, and 8VSB applications
DV6102NCD	NTSC IF decoder for analog, 64-QAM, 256-QAM, and 8VSB applications
PAL Intermediate Frequency (IF) Encoder and Decoder Cards (Note 1)	
DV6101PCE	PAL B/G IF encoder
DV6102PCDN	PAL B/G IF decoder
DV6101PCEL	PAL I IF encoder
DV6102PCDL	PAL I IF decoder
DV6101PCEQ	PAL QAM IF encoder
DV6102PCDQ	PAL QAM IF decoder
Ethernet Interface Module	
DV6100BTE2	Ethernet 10/100 BaseT Module with integrated 2-port terminal server
Single Channel Electrical Tributary Modules	
DV6311ETM	Electrical Transmit Module, single channel
DV6312ERM	Electrical Receive Module, single channel
Dual DS3/T1 and E3/E1 Encoder and Decoder Cards	
DV6101DE	Dual DS3/Dual T1 digital data encoder card
DV6102DD	Dual DS3/Dual T1 digital data decoder card
DV6101DEE3	Dual E3(CEPT-3)/Dual E1(CEPT-1) digital data encoder card (G.703 compliant)
DV6102DDE3	Dual E3(CEPT-3)/Dual E1(CEPT-1) digital data decoder card (G.703 compliant)
Diplexed Audio Modulator and Demodulator Cards	
DV6102AMN4	Diplexed Audio Modulator: Diplexes up to four audio channels, at frequencies of 5.8MHz, 6.4MHz, 7.5MHz, and 8.2MHz and provides a composite video/diplexed audio signal output to a single coax cable
DV6101ADN4	Diplexed Audio Demodulator: Takes wideband composite video/diplexed audio signal input and provides output of a baseband video signal and up to four separate audio channels
SMPTE 259M Switch Interface Modules	
DV6311DTM	DV6300 SMPTE 259M Compatible Digital Tributary Transmitter: transmits a signal to a DV6312DRM tributary receiver. Conditions signal for interfacing SMPTE 259M compliant digital routing switchers
DV6312DRM	DV6300 SMPTE 259M Compatible Digital Tributary Receiver: receives a signal from a DV6311DTM tributary transmitter. Conditions signal for interfacing SMPTE 259M compliant digital routing switchers

Notes

1. Occupies two slots in the DV6000, DV6408, and DV6444 equipment shelves.
2. The DV270DVBENx Encoder modules are compatible with DV6274VDxx version SDI Decoder modules for SDI transport only.
3. The DV270DVBENx Encoder modules are compatible with the DV6102DVBD version DVB-ASI Decoder for DVB-ASI transport only.
4. The DV270DVBDNx Decoder modules are compatible with the DV6101DVBE version DVB-ASI Encoders for DVB-ASI transport only.
5. SFP optics used only on the HDSDI/SDI/DVB-ASI Transport Modules and SDI/DVB-ASI Tributary Transport Modules.

Ordering Information (cont'd)

Part Number	Description
Single Channel Tributary Modules	
DV6311CTMxxx DV6312RSR	DV6300 Tributary Transmitters , 1310nm wavelength, transmit a signal to a remote receiver; plugs into a DV6312RSR remote receiver to provide a single channel repeat function (Note 1)
DV6351CTMxxx DV6312RSR	DV6300 Tributary Transmitters , 1550nm wavelength, transmit a signal to a remote receiver; plugs into a DV6312RSR remote receiver to provide a single channel repeat function (Note 1)
DV6312CRMxxx	DV6300 Tributary Receiver (Note 1), receives a signal from a DV63x1RST remote transmitter (requires a 42kHz clock source)
DV6312CXMxxx01	DV6300 Tributary Transceiver (Note 1), transmits a 1310nm 42kHz clock signal to, and receives a video signal from, a 1310nm DV6311RSX remote transceiver for a remote add

Notes:

1. xxx equals connector type. FC = FC/UPC, SC = SC/UPC, ASC = SC/APC, and APC = FC/APC.

2. Packages that include DV6300 Remote TX/TXVR/RX Units and 10-bit Video, 4 Audio Encoder/Decoder interface cards are available. Contact Customer Service for more information.



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