

HD2014, HD2012, HD2011 Video PassPort™

1RU Multi-Path Video Converter, Frame Synchronizer and Decoder

The Evertz HD2014, HD2012 and HD2011 are high performance multi-path 1RU video conversion, frame synchronization and decoder platforms. The HD2014 integrates four independent paths of video processing. All four paths can be fed from four different inputs signals. Each processing path includes full frame sync and up/down/cross conversion capabilities in addition to noise reduction, video proc and video enhancement capabilities. Optional MPEG2 and H.264 flex modules allow the HD20xx series to accept ASI input signals and generate decoded base-band video that can then be sent to conversion engines. The HD2012 integrates two independent paths of processing. Each path can be fed from two different device inputs. The HD2011 has the same capabilities as the HD2012 except that both processing paths must be fed from the same input video signal.

The processing power of the HD20xx series in combination with their simple to use front panels make them ideal choices for utility conversion and decoding applications within studio, ENG/DSNG truck or mobile environments.

The HD2014, HD2012 and HD2011 can support up to 4x coax serial digital/ASI inputs, 4x fiber optic serial digital/ASI inputs, 4x composite analog video inputs, 4x or 8x mono analog audio inputs and 8x AES digital audio inputs.

* Fiber SFP modules ordered as separate accessories to enable fiber inputs/outputs
 * One FL-xx flex module may be installed at a time
 * One FR-xx flex module may be installed at a time
 * 1x analog video input and 1x analog video output are standard

Analog video inputs are processed using 12 bit A/D converters and use 3D video decoding technology. DVI inputs (720p and 1080p) can also be supported. 1080p DVI inputs are automatically interlaced to 1080i.

The HD20xx series can support up to 4x coax serial digital outputs, 4x fiber optic serial digital outputs, 4x composite analog video outputs, 8x or 4x mono analog audio outputs and 8x AES digital audio outputs. DVI outputs (720p and 1080i) can also be supported. A reference input is available to allow these units to lock to an external reference. SNMP control and monitoring is supported using the 10/100 Ethernet port. An integrated four input multi-image display is available as an ordering option.

These Evertz converters are packaged in a space saving 1RU form factor and have local front panel control capabilities. Quick access hot keys for each processing channel are available on the front panel to enable easy changes to core processing parameters. Eight (8) front panel "HOT KEY MACROS" can be programmed with user controls to enable multi-parameter sets with a single button push. The HD20xx series can be ordered with dual AC power supplies. The HD20xx series can also support operation from externally supplied +12V DC power supply (1x AC inlet and 1x DC inlet supported).

* Redundant power supply is an ordering option
 * The +AA option supports analog audio with 4x in and 8x out
 * The +AA2 option supports 8x in and 4x out



Within the HD20xx architecture, 16 channels of audio are de-embedded from the input of each conversion path and sent to the internal audio processor. Eight discrete AES audio inputs and four/eight analog audio inputs can also be made available to the audio processor. Per channel audio delay, stereo to 5.1 up-mixing (+UMX), 5.1 to stereo down-mixing (+DMX), IntelliGain™ audio loudness management (+IG) and audio band equalization (+EQ) can be performed on selected input audio channels.

Following the audio processor, 16 channels of audio may be embedded into each of the outgoing video processors. Each of the four audio embedders can support audio inversion, gain, mono mixing and channel swapping capabilities. Similar per channel audio routing, inversion, gain and mono-mixing capabilities are available for the 8x AES outputs and the 8x mono analog audio outputs.



Ordering Information

HD2011	1RU Multi-Path Video Converter/Frame Synchronizer/Decoder with Dual Output Single Path Processing
HD2012	1RU Multi-Path Video Converter/Frame Synchronizer/Decoder With Two Path Processing
HD2014	1RU Multi-Path Video Converter/Frame Synchronizer/Decoder With Four Path Processing

ACCESSORIES	
WPDVI-DVIBNC5	DVI to DVI/RGBHV break out cable
WPDVI-DVI2	DVI "Y" break out cable
WPAES8-BNCM-6F	WPAES8-BNCM-6F cable

ORDERING OPTIONS (*CONTACT EVERTZ FOR PRICING AND RELEASE TIMING)

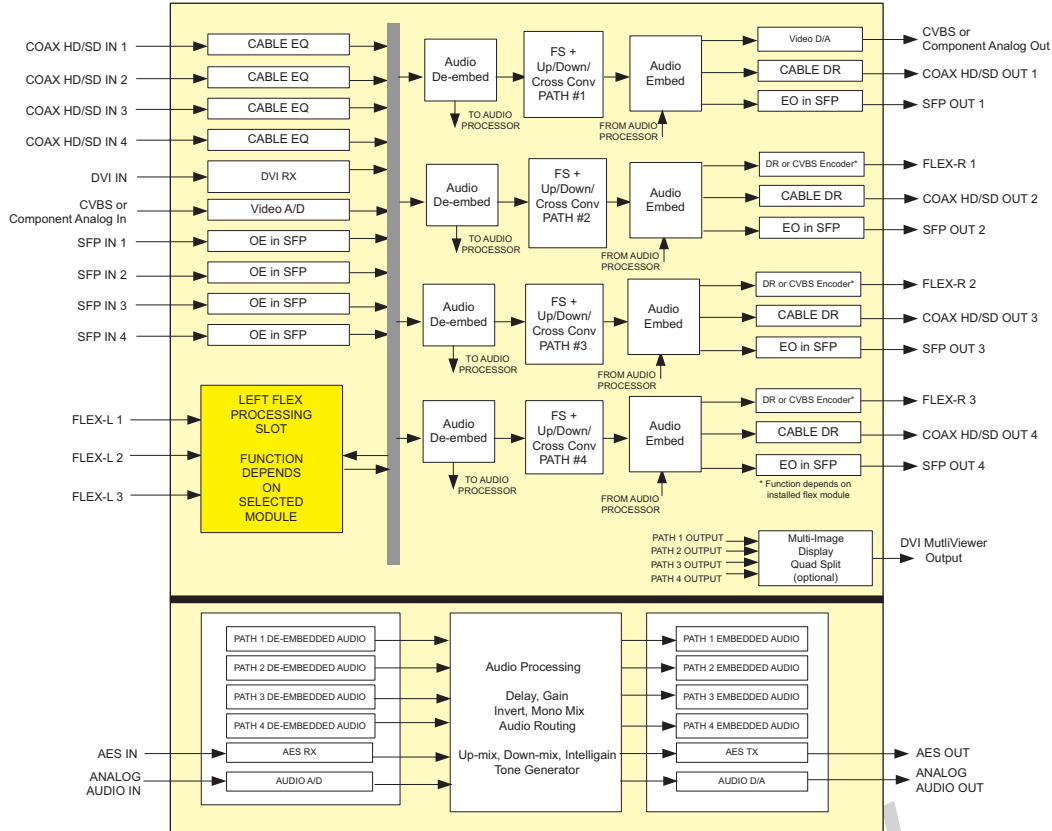
+AA	Balanced Analog Audio I/O (4x in and 8x out)
+AA2*	Balanced Analog Audio I/O (8x in and 4x out)
+2PS	Redundant AC Power Supply
+12VPS*	Support for external 12V DC power

+CF2G	Embedded Compact Flash for Test Signal Storage
+MVR	Optional Internal Multi-Viewer (Quad Split)
+UMX	Stereo to 5.1 PCM Surround Sound Up-Mix
+DMX	5.1 PCM Surround Sound Down-Mix
+IG	IntelliGain Audio Loudness Management
+EQ	Programmable Audio Frequency Equalizer
+FL-DECMP2SD-4*	Quad SD MPEG-2 Decoder
+FL-DEC264SD-2*	Dual SD H.264 Decoder
+FL-DECMP2HD-2*	Dual HD/SD MPEG-2 Decoder
+FL-DEC264HD*	HD/SD MPEG-4 Decoder
+FL-HIO	Triple bi-directional HD/SD I/O Flex Module
+FL-CD3	Triple Composite Analog Video Input Flex Module
+FR-HIO	Triple bi-directional HD/SD I/O Flex Module
+FR-CE3	Triple Composite Analog Video Output Flex Module
+2TX	1x Dual SFP Fiber Transmitter (two fiber outputs)
+4TX	2x Dual SFP Fiber Transmitter (four fiber outputs)
+2RX	1x Dual SFP Fiber Receiver (two fiber inputs)
+4RX	2x Dual SFP Fiber Receiver (four fiber inputs)

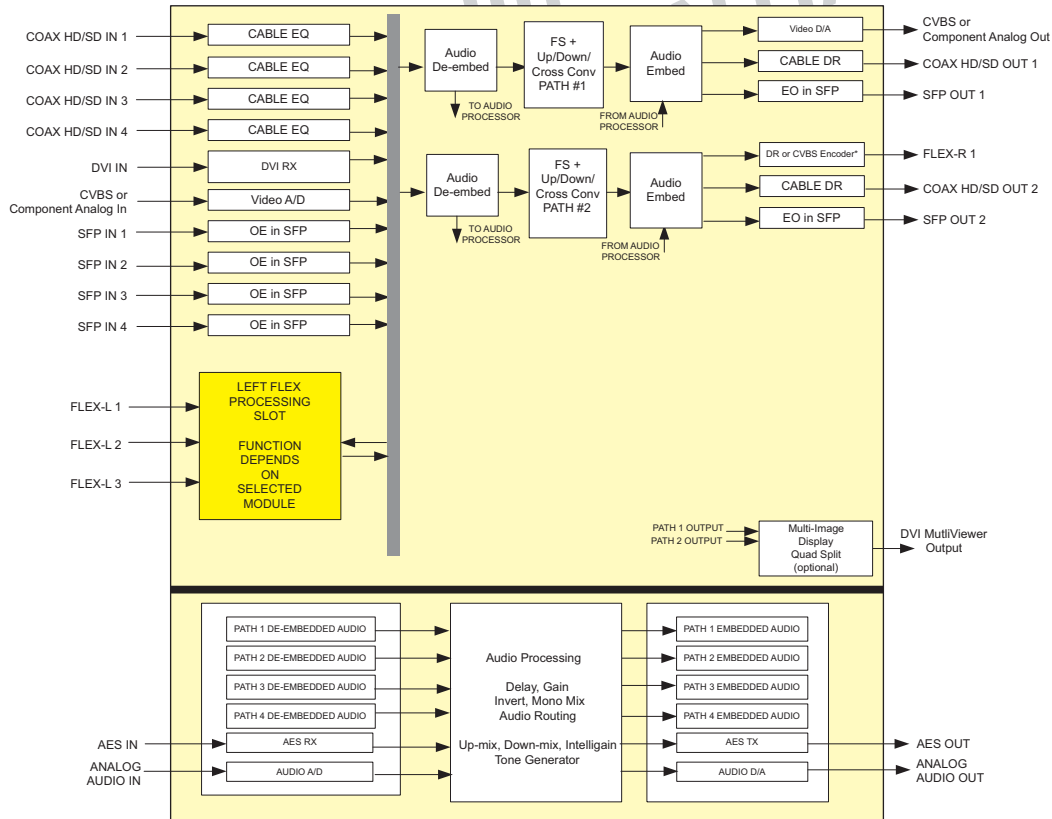
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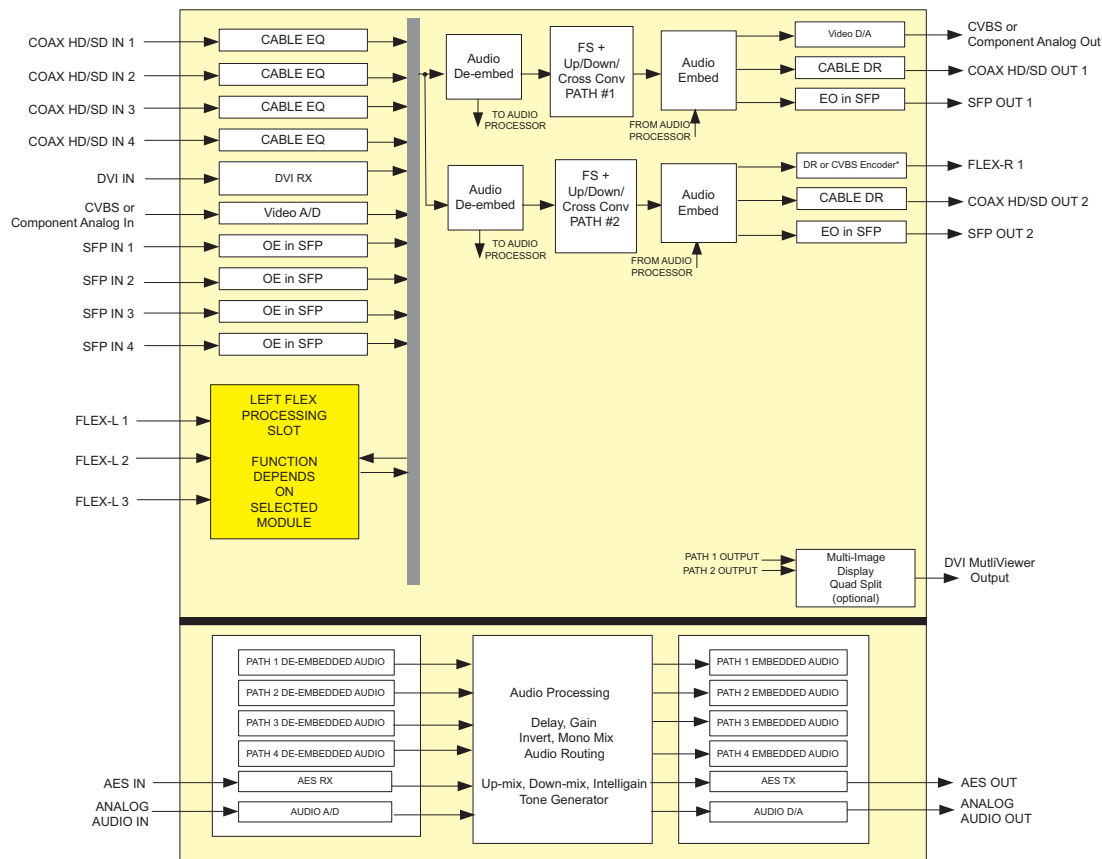
Evertz HD2012 Video PassPort



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Evertz HD2011 Video PassPort



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