

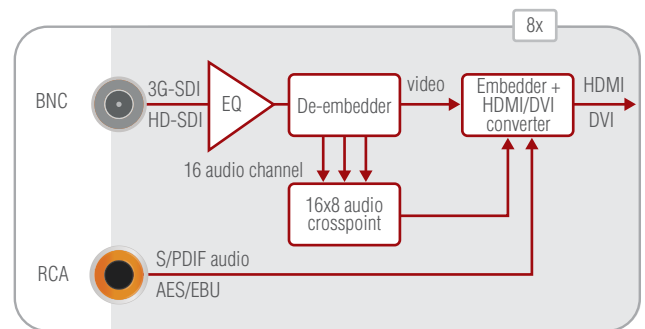
Part No: 9122 0015



25G-MX-3GSDI-IB accepts SD-SDI, HD-SDI and 3G-SDI video signals with embedded audio on BNC connectors. Each channel also incorporates an SDI/HD-SDI/3G-SDI to HDMI/DVI conversion for further switching and processing in the router frame. SDI input signals are automatically equalized and reclocked. The card also has an additional RCA Phono digital audio input connector accepting S/PDIF digital audio per channel. Both 2-channel LPCM and AC3 encoded formats are supported and are embedded into the video stream. Each input port contains a mini 16x2 channel audio crosspoint that allows de-embedding of 2 channel LPCM from the SDI signal and embedding them into the HDMI stream. Either SDI audio or S/PDIF audio can be embedded, but converting or mixing them is not possible. The SDI video pixel resolution and scan mode are maintained in the HDMI signal. YUV to RGB and color range settings are also supported.

Supported Resolutions:

Signal type	Resolution	Color Space	Color Depth
SD-SDI	720x576i 50Hz	YCbCr 4:2:2	10
	720x480i 60Hz	YCbCr 4:2:2	10
	1280x720p 60Hz	YCbCr 4:2:2	10
	1280x720p 59,94Hz	YCbCr 4:2:2	10
	1280x720p 50Hz	YCbCr 4:2:2	10
	1920x1080i 60Hz	YCbCr 4:2:2	10
HD-SDI	1920x1080i 59,94Hz	YCbCr 4:2:2	10
	1920x1080i 50Hz	YCbCr 4:2:2	10
	1920x1080p 30Hz	YCbCr 4:2:2	10
	1920x1080p 29,97Hz	YCbCr 4:2:2	10
	1920x1080p 25Hz	YCbCr 4:2:2	10
	1920x1080p 24Hz	YCbCr 4:2:2	10
Level A	1920x1080p 23,98Hz	YCbCr 4:2:2	10
	1920x1080p 60Hz	YCbCr 4:2:2	10
	1920x1080p 59,94Hz	YCbCr 4:2:2	10
Level B	1920x1080p 50Hz	YCbCr 4:2:2	10
	1920x1080p 60Hz	YCbCr 4:2:2	10
	1920x1080p 59,94Hz	YCbCr 4:2:2	10



Features

- Built-in 8 x SDI to HDMI converter
- Embeds 2-channel audio from the SDI input or external S/PDIF digital audio into the HDMI signal
- Converts SDI, HD-SDI and 3G-SDI to DVI or HDMI
- Input cable equalization
- PLL Reclocking
- Auto detects input formats

Specifications

HDCP compliancy:	No
Max resolutions:	1920x1080p 60 Hz YCbCr 4:2:2
Power consumption (3.3 V):	1.5 A (typ.), 2.4 A (max.)
Power consumption (5 V):	2.3 A (typ.), 5.4 A (max.)
Calculated AC Power (W):	23.5 (typ.), 49.9 (max.)
Heat dissipation (BTU/h):	192 BTU/h (typ.), 260 BTU/h (max.)
Weight:	530g
Input connectors:	3G-SDI, S/PDIF