FDX-S Output Board

FDX-SOV4UH

The FDX-SOV4UH is a four-output HDMI board designed for FDX-S Modular Matrix Switchers.
The board supports HDMI and DVI at video resolutions up to 4K@60 and complies with HDCP 2.2.

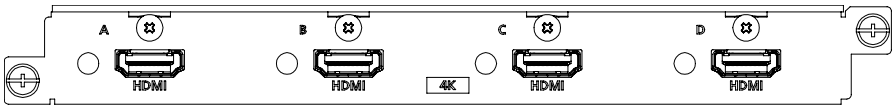
■ Specification

Item			Description
The number of outputs			4
Input	Video	Format	VGA to 4K (Dot clock: 25 MHz to 600 MHz) 480i / 480p / 576i / 576p / 720p / 1080i / 1080p / 4K For 4K formats, 24 Hz/25 Hz/30 Hz/50 Hz (4:4:4)/60 Hz (4:4:4) are supported.
	Audio	Digital	Multi-channel LPCM up to 8 channels Sampling frequency: 32 kHz to 192 kHz, Sample size: 16 bit to 24 bit Reference level: -20 dBFS, Max. input level: 0 dBFS
Output	Video	HDMI/DVI	HDMI/DVI 1.0 TMDS single link, HDCP 1.4/2.2 TMDS clock: 25 MHz to 300 MHz, TMDS data rate: 0.75 Gbps to 18 Gbps 36 bit Deep Color, x.v.Color, 3D, HDR For 4K@50/59.94/60 RGB/YCbCr 4:4:4, 24 bit is supported. ARC/HEC/CEC are not supported.
		Format	VGA to 4K (Dot clock: 25 MHz to 600 MHz) 480i / 480p / 576i / 576p / 720p / 1080i / 1080p / 4K For 4K formats, 24 Hz/25 Hz/30 Hz/50 Hz (4:4:4)/60 Hz (4:4:4) are supported.
	Audio	Digital	Multi-channel LPCM up to 8 channels Sampling frequency: 32 kHz to 192 kHz, Sample size: 16 bit to 24 bit Reference level: -20 dBFS, Max. output level: 0 dBFS
Connector			Female HDMI Type A (19-pin)
Maximum transmission distances			98 ft. (30 m) (1080p@60), 39 ft. (12 m) (4K@60) (*1)
Functions			Anti-snow, Connection Reset (*2)
General		Power consumption	About 11 Watts
		Weight	0.7 lbs. (0.3 kg)
		Temperature	Operating : 32°F to 104°F (0°C to +40°C) Storage : -4°F to +176°F (-20°C to +80°C)
		Humidity	Operating/Storage: 20% to 90% (Non Condensing)

*1 The maximum cable distance varies depending on the connected devices and was measured under following conditions:
・1080p@60: When IDK's 24 AWG cable was used and signals of 1080p@60 24 bit/pixel (8 bit/component) was output.
・4K@60 : When IDK's 18 Gbps supported cable was used and signals of 4K@60 24 bit/pixel (8 bit/component) was output.
The maximum cable distance depends on the connected devices. The distance may not be extended with some device combinations, cabling method, or other manufacturer's cable. Video may be disturbed or may not be output even if signals are within the range mentioned above.

*2 For digital systems, some problems, such as an HDCP authentication error, can often be recovered by physically disconnecting and reconnecting the digital cables. However, the Connection Reset feature will fix these problems automatically without the need to physically plug and unplug the cables. It creates the same condition as if the cable were physically disconnected and reconnected. This feature only works for the FDX-S's output. If other devices are connected between the FDX-S's output and sink device, this feature may be invalid.

■ Panel



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