



FDX-S Output Board FDX-SOV4H

The FDX-SOV4H is a four-output HDMI board designed for FDX-S series Modular Matrix Switchers. The board supports HDMI and DVI at video resolutions up to 4K@30 and complies with HDCP 1.4.

■ Specification

Item		Description
The number of outputs		4
Input	Video	Format VGA to 4K (Dot clock: 25 MHz to 300 MHz) For WQHD/WQXGA, only Reduced Blanking is supported. 480i / 480p / 576i / 576p / 720p / 1080i / 1080p / 4K For 4K formats, 24 Hz/25 Hz/30 Hz 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 TMDS clock: 25 MHz to 300 MHz, TMDS data rate: 0.75 Gbps to 9 Gbps 36 bit Deep Color For WQHD, WQXGA, and 4K formats, 24 bit is supported. x.v.Color/3D/HDR/ARC/HEC/CEC are not supported.
		Format VGA to 4K (Dot clock: 25 MHz to 300 MHz) For WQHD/WQXGA, only Reduced Blanking is supported. 480i / 480p / 576i / 576p / 720p / 1080i / 1080p / 4K For 4K formats, 24 Hz/25 Hz/30 Hz 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), 66 ft. (20 m) (4K@30) (*1)
Functions		Anti-snow, Connection Reset (*2)
General	Power consumption	About 9 Watts
	Weight	1.1 lbs. (0.5 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)

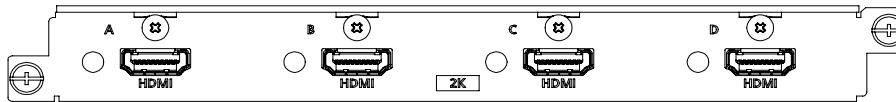
*1 The maximum cable distance varies depending on the connected devices and was measured under following conditions:

- 1080p@60 : When IDK's 24 AWG cable was used and signals of 1080p@60 24 bit/pixel (8 bit/component) was output.
- 4K@30 : When IDK's 24 AWG cable was used and signals of 4K@30 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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