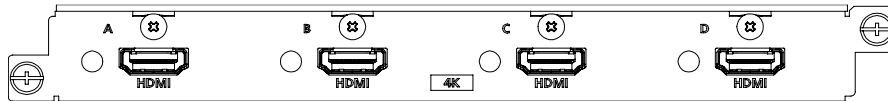**FDX-S Input Board**
FDX-SIV4UH

The FDX-SIV4UH is a four-input 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
Input		4 inputs

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 (*1), HDR (*2)
		    For 4K@50/59.94/60 RGB/YCbCr 4:4:4, 24 bit is supported.
		    ARC/HEC/CEC are not supported.
		EDID emulation

	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
Connector		Female HDMI Type A (19-pin)
Maximum transmission distances		98 ft. (30 m) (1080p@60), 66 ft. (20 m) (4K@60 4:2:0), 39 ft. (12 m) (4K@60 4:4:4) (*3)
General	Power consumption	About 14 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   3D is supported if external EDID is selected while a 3D-supported sink device is connected for EDID setting or if copied EDID of 3D-supported sink device is selected for EDID setting.
*2   HDR is supported if external EDID is selected while an HDR-supported sink device is connected for EDID setting or if copied EDID of an HDR-supported sink device is selected for EDID setting.
*3   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 input.
    ・4K@60 4:2:0 : When IDK's 24 AWG cable was used and signals of 4K@60 4:2:0 24 bit/pixel (8 bit/component) was input.
    ・4K@60 4:4:4 : When IDK's 18 Gbps supported cable was used and signals of 4K@60 4:4:4 24 bit/pixel (8 bit/component) was input.
    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.

■ Panel

IDK Corporation