FDX-S Output Board
FDX-SOV4T

The FDX-SOV4T is a four-output HDBaseT board designed for FDX-S series Modular Matrix Switchers.
The board supports video resolutions up to 4K@30 and complies with HDCP 1.4.
Video signals can be transmitted up to 328 ft. (100 m); 1080p (24 bit) video signals can be sent up to 492 ft. (150 m) in Long reach mode.
RS-232C bidirectional communication and LAN transmission are also supported.
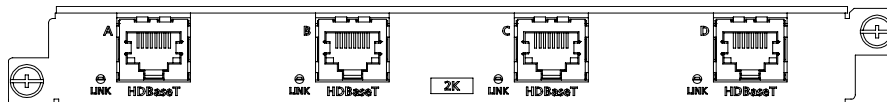
■ **Specification**

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	HDBaseT	HDBaseT
			HDCP 1.4
			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.
			RS-232C/LAN

		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			RJ-45 (*1)
Cable			CAT.5E HDC, Cat5e UTP/STP, Cat6 UTP/STP (T568A/T568B straight-through)
Maximum transmission distances			328 ft. (100 m), 492 ft. (150 m) (Long reach mode is used) (*2)
Functions			Anti-snow, Connection Reset (*3)
General	Power consumption		About 18 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   RJ-45 (HDBaseT connector) is only for extending digital video and audio signals over a Cat5e/Cat6 cable. Use it with IDK's HDBaseT Products. Do not use for LAN devices.
*2   The maximum transmission distance was obtained when IDK's CAT.5E HDC cable was used. 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.
      The maximum transmission distance is the shorter distance of connected HDBaseT product or sink device's maximum transmission distance.
      Up to 492 ft. (150 m): 1080p (24 bit) in Long reach mode. For Long reach mode, use IDK's HDBaseT Products that supports 328 ft. (100 m) or longer.
*3   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**

IDK Corporation