FDX-S Output Board
FDX-SOV4US

The FDX-SOV4US is a four-output SDI board designed for FDX-SU Modular Matrix Switchers.
The board supports 12G-SDI, 6G-SDI, 3G-SDI, and HD-SDI and receives video signals from source devices that are up to 820 ft. (250 m) away over coaxial cables. Additionally, the FDX-SOV4US also features multiple link (DUAL LINK 3G, DUAL LINK 6G 2SI, and QUAD LINK 3G LEVEL A 2SI [2 Sample Interleave]) that supports conversion from input signal to DUAL LINK 3G-SDI, DUAL LINK 6G-SDI, QUAD LINK 3G-SDI.

■ Specification

Item		Description
Output		4 outputs (SINGLE LINK) 2 outputs (DUAL LINK) 1 output (QUAD LINK)
Video	SDI	12G-SDI/6G-SDI/3G-SDI/HD-SDI NRZI/NRZ, 0.8 V[p-p]/75 Ω SMPTE ST-2082-1 (12G-SDI)/SMPTE ST-2081-1 (6G-SDI)/SMPTE 424M (3G-SDI)/SMPTE 292M (HD-SDI)

	Format	720p / 1080i / 1080p / 4K
		  3G-SDI signals : Only Level A
		  Multiple link : 2SI (2 Sample Interleave)
		  720p : 23.98 Hz and 24 Hz are not supported.

Audio	Digital	LPCM up to 8 channels (Selecting 2 groups of audio groups1 to 4) Sampling frequency: 48 kHz, Sample size: 16 bit to 24 bit Reference level: -20 dBFS, Max. output level: 0 dBFS
Connector		BNC
Cable		75 Ω coaxial cable for high frequency signal

Maximum transmission distances (*1)		With 1505A (BELDEN RG-59),
		  HD-SDI: 7.9 ft. (200 m) 3G-SDI: 5.1 ft. (130 m)
		With 1694A (BELDEN RG-6),
		  HD-SDI: 820 ft. (250 m) 3G-SDI: 525 ft. (160 m) 6G-SDI: 262 ft. (80 m) 12G-SDI: 197 ft. (60 m)

Functions		12G-SDI/6G-SDI/3G-SDI/HD-SDI can be mixed (When gearbox function (*2) is disabled) Gearbox (DUAL LINK 3G: equivalent to 6G-SDI; DUAL LINK 6G 2SI: equivalent to 12G-SDI; QUAD LINK 3G LEVEL A 2SI: equivalent to 12G-SDI) Color format conversion: From RGB or YCbCr 4:4:4 to YCbCr 4:2:2
General	Power consumption	About 35 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 distances may be shorten depending on the quality of cable. Please make sure that the cable is long enough.
      The maximum distances are for when connected to FDX-SIV4US.
*2   Can be enabled/disable separately for each board, and it converts signal from each input board to DUAL LINK 3G-SDI, DUAL LINK 6G-SDI, or QUAD LINK 3G-SDI.

■ Panel

IDK Corporation