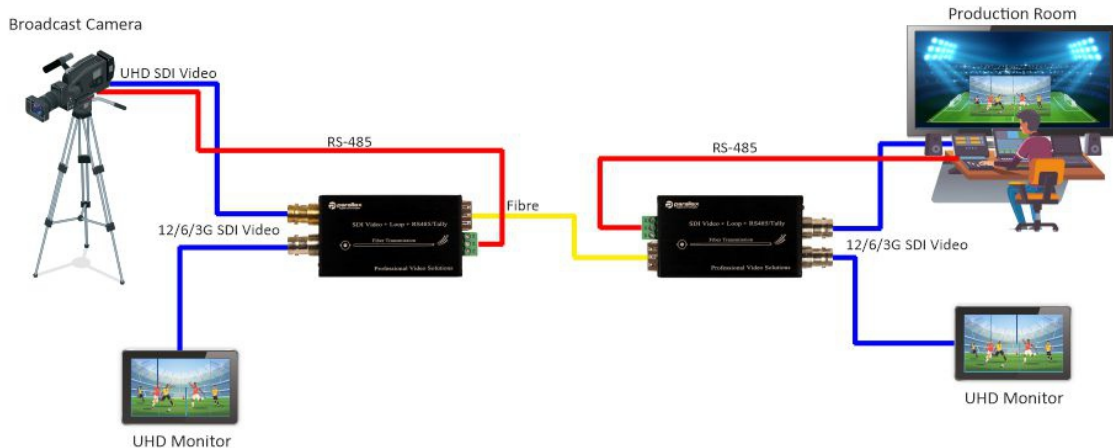


- Includes 8 Channels of Embedded Audio per SDI Channel
- Supports ST-2082-1(12G), ST-2081-1(6G), ST-424(3G), ST-292(HD), and ST-259(SD)
- Auto Cable Equalization for all rates below 3.2Gbps
- Directly Compatible with 12G/6G/3G-SDI Camera Systems
- Transmission up to 20km
- Supports 4K*2K(3840*2160@60Hz)/1080p/1080i/720p
- Hot Swap and Hot Plug and Play
- Industrial Operating Temperature Range -20°C ~ +70°C

Overview:

The PDT-SFC-12-2000-RS-SM-TX/RX Kit is a Small Form Factor kit comprising of a Transmitter Unit and a Receiver Unit, which allows for the transmission, over Fibre Optic, of single channel 3G/6G/12G-SDI Video Signals (audio is embedded) and Reverse RS485 signal. In addition the Transmitter Unit is equipped with a Loop Output to enable local monitoring of the signal. The Receiver Unit provides 2 x SDI Video Output Connectors for 4k*2k 3G/HD-SDI, 1080p, 1080i, and 720p connections. The Kit is ideal for Live Events Broadcasting and Security Operations, that utilize the high-quality afforded by SDI Video Signals.

Applications



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Specifications

VIDEO INTERFACE	Connector Impedance Input/Output Voltage Video Bit Rate Differential Gain (10%~90% APL) Supported Formats	BNC 75 Ohm Typ: 1V P-P, Min 0.5Vpp - Max 1.5Vpp 11.88Gbps Max <1% ST-2082-1 (12G) ST-2081-1 (6G) ST-424 (3G) ST-292 (HD) ST-259 (SD) Supported Resolutions 625p@25Hz PAL 525p@29.97Hz, 525p@23.98Hz NTSC 720p@50Hz - 720p@59.94Hz 1080i@23/24/30/50/59.94Hz 1080p@23.98/24/30/50/60Hz 2160i@30/60Hz 2160p@60Hz HDTV 4k*2k	ELECTRICAL	Operating Voltage Power Consumption	+5-12VDC 5W
			INDICATORS	SDI P/T	Valid SDI Video Detected Power OK
			MECHANICAL	Dimensions Weight Casing Mounting	80mm x 40mm x 20mm each unit 100g each unit including SFP Aluminium Desktop
			ENVIRONMENTAL	Operating Temp Storage Temp Relative Humidity MTBF	-20°C to +70°C -40°C to +80°C 0% - 90% - non-condensing >100,000 hours
FIBRE TRANSMISSION	Interface Transmission Distance Wavelength	LC Receptacle- Simplex Up to 20km 1310/1550nm	CERTIFICATION	Electrical Safety	EN 62368-1:2020+A11:2020
				Emissions Radiated Immunity Harmonic Emissions Fluctuations and Flicker	EN 55032:2015+A1:2020 EN 55035:2017+A11:2020 EN 61000-3-2:2019 EN 61000-3-3:2013+A1:2019
SERIAL DATA	Protocol Connector Data Rate BER	Reverse RS-485 Screw Terminal 57.6kbps <10 ⁻⁹		RoHS	IEC 63000:2018

Ordering Information

Model	Description	Part No
PDT-SFC-12-2000-RS-SM-TX-RX	12G-SDI Range Extender Kit - Fibre Converter - Reverse RS485 - Loop Out - SMF - LC - 20km	0270-0002

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