

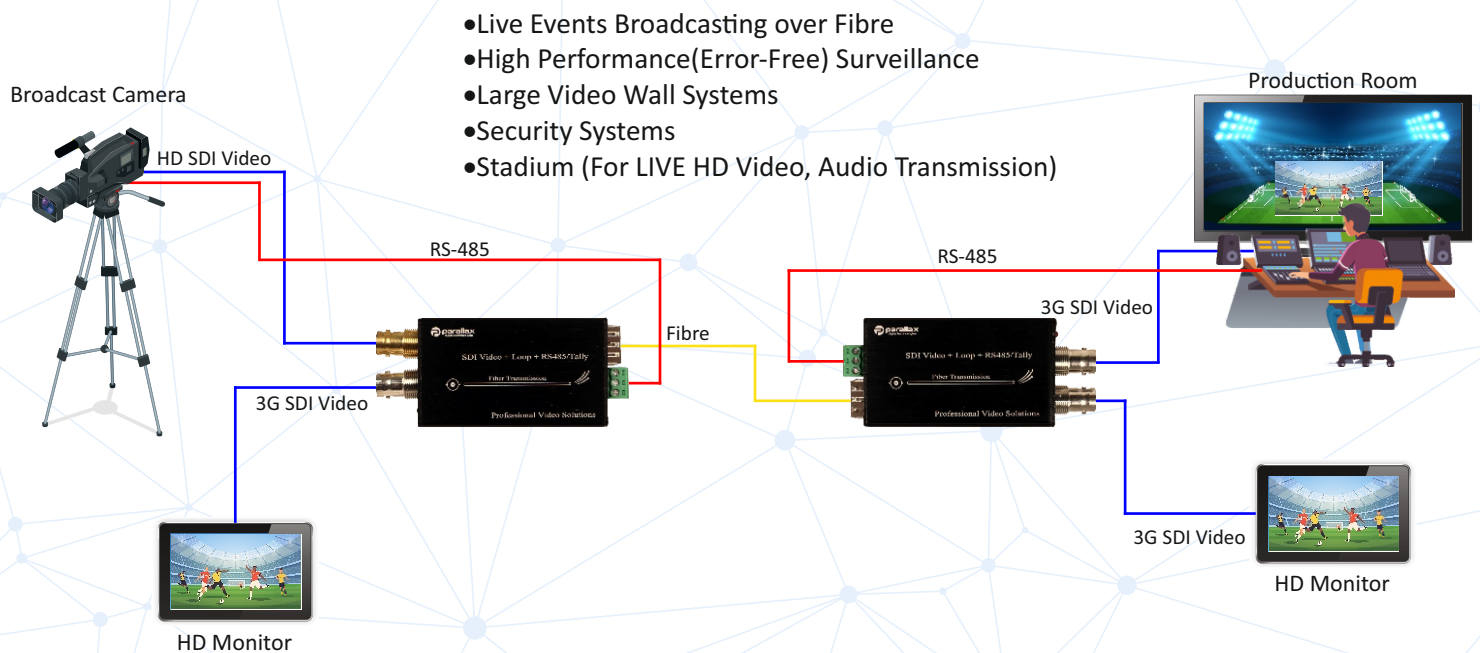


- Includes 8 Channels of Embedded Audio per SDI Channel
- Fully Digital Uncompressed Broadcast Quality Transmission
- Auto Cable Equalization for all rates below 3.2Gbps
- Directly Compatible with HD-SDI Camera Systems
- Transmission up to 20km
- Hot Swap and Hot Plug and Play
- 1310/1550nm Wavelength
- Industrial Operating Temperature Range -20°C ~ +70°C

## Overview:

The PDT-SFC-03-2000-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/HD-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 1080p 3G/HD-SDI 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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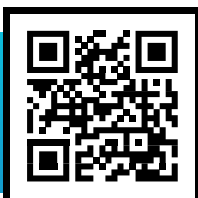
## Specifications

VIDEO	Connector Impedance Input/Output Voltage Video Bit Rate Differential Gain (10%~90% APL) SDI Formats Supported	BNC 75 Ohm Typ: 1V P-P, Min 0.5Vpp - Max 1.5Vpp 3.2Gbps Max <1% 625p@25Hz PAL 525p@29.97Hz NTSC 525p@23.98Hz NTSC 720p@50Hz - 720p@59.94Hz 1080i@23/24/30/50/59.94Hz SDI Standard 1080p@23.98/24/30/50/60Hz 270Mbps (SD-SDI) 1.485Gbps/M (HD-SDI) SMTPE 425M 3Gbps Mapping (3G-SDI) SMTPE 424M 3Gbps Serial (3G-SDI)	ELECTRICAL	Operating Voltage Power Consumption	+5~24VDC 5W
FIBRE TRANSMISSION	Interface Transmission Distance Wavelength	LC Receptacle- Simplex Up to 20km 1310/1550nm	INDICATORS	SDI P/T	Valid SDI Video Detected Power OK
SERIAL DATA	Protocol Connector Data Rate BER	Reverse RS-485 Screw Terminal 57.6kbps <10 <sup>-9</sup>	MECHANICAL	Dimensions Weight Casing Mounting	80mm x 40mm x 20mm each unit 105g 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
			CERTIFICATION	Electrical Safety  Emissions Radiated Immunity Harmonic Emissions Fluctuations and Flicker  RoHS	EN 62368-1:2020+A11:2020  EN 55032:2015+A1:2020 EN 55035:2017+A11:2020 EN 61000-3-2:2019 EN 61000-3-3:2013+A1:2019  IEC 63000:2018

## Ordering Information

Model	Description	Part No
PDT-SFC-03-2000-RS-SM-TX-RX	3G-SDI Range Extender Kit - Fibre Converter - Reverse RS485 - Loop Out - SMF - LC - 20km	0270-0000 1

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