

## 4Ch 3G-SDI CWDM over 1 Fiber Optical Extenders

### Features

- 4 channel 3G/HD-SDI video transmission over one optic fiber
- Automatic cable equalization to ensure signal integrity
- Automatic reclocking 270Mbit/s - 1.48Gbit/s-3Gbit/s
- Directly compatible with 3G/HD-SDI camera systems and support 4Ch Loop output
- Long transmission up to 20 km (12.5miles) (Other distance Optional)
- Full digital non-compression broadcast level transmission;
- Working temperature range (-10°C~+55°C)



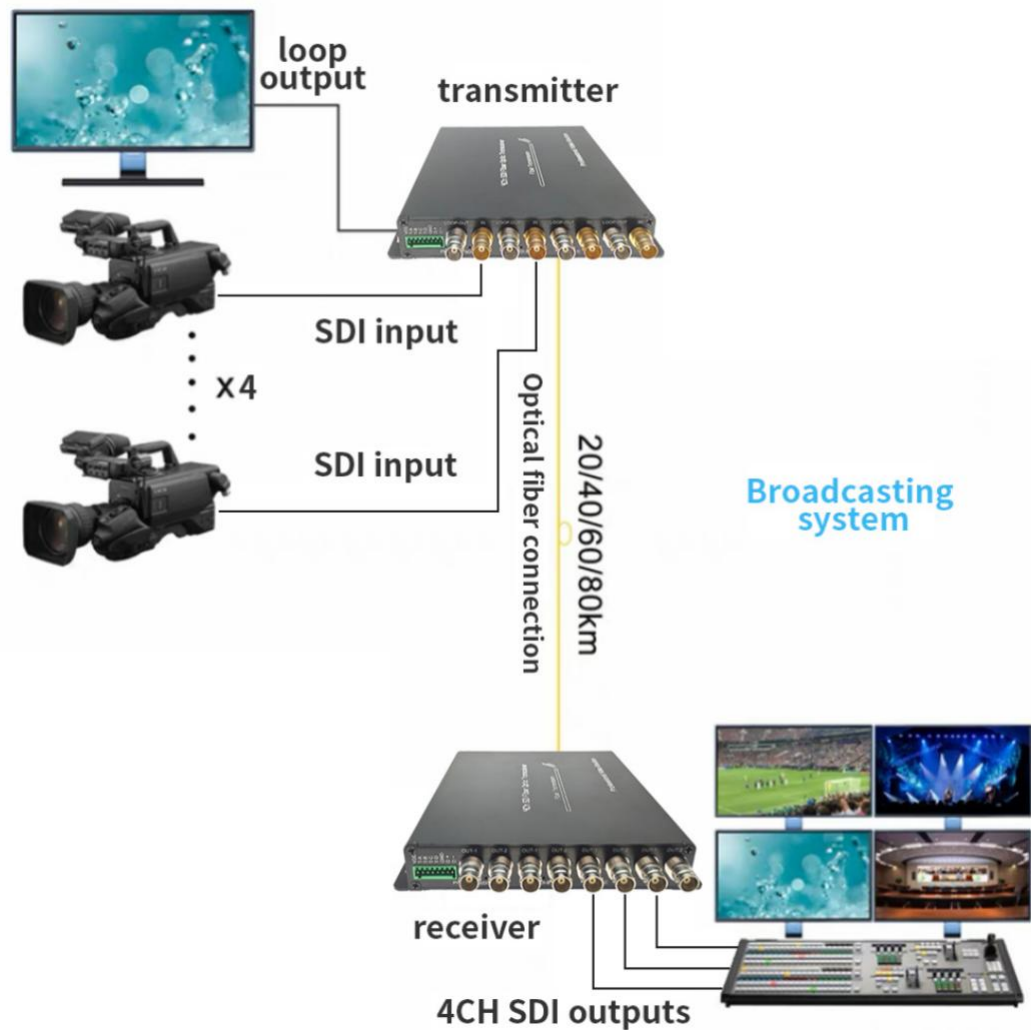
### Description

Pro-optics Series supports 4-channel HD/3G-SDI standard high-definition video signal transmitted via single fiber optical cable. Pro-optics 3G-SDI Video over Fiber Converters includes one transmitter and one receiver for 1080P 3G-SDI signal. Pro-optics 3G-SDI Fiber Converters can transmit 4-Ch 3G-SDI Video signal through a single optical fiber, and it support Loop output. The video quality is non-compressed broadcast level. It's widely used in broadcast field.

### Ordering information

Part Number	Product Description
PO3G4CHTX	4 channels 3G-SDI CWDM over 1 fiber optical extender Transmitter, and AC-DC Power adapter, up to 20km on SMF
PO3G4CHRX	4 channels 3G-SDI CWDM over 1 fiber optical extender Receiver, and AC-DC Power adapter, up to 20km on SMF

Application



Product parameters

SDI Input	SMPTE 424M, SMPTE 292M, SMPTE 259M
	270Mbit/s - 1.48Gbit/s – 3Gbit/s
	Input number: 4
	Reflection loss: >15DB
	Equilibrium: 0-150m @3Gb/s Copper Cable
	Connector: BNC
Optics	Channel: 1
	Type: single-mode, single optical fiber
	Transmission distance: 20km (Other distance Optional)
	Reflection loss: > 15dB
	Dithering: < 0.2UI
	Connector: FC/UPC (SC, LC, ST optional)
SDI Output	Output number:4

		Signal level: 800mV nominal
		Rise/fall time: 200ps indication
		Overshoot: < 10% amplitude
		Reflection loss: >15dB
		Dithering: < 0.2UI
		Connector: 75Ω BNC
<b>Power and environmental indication</b>		Operating temperature: -10℃ ~ +55℃
		Power Input: 1A@12VDC
		EMI/RFI: meet FCC Part 15 Class A, EU EMC standard
		Average time trouble-free: >100000 hours
<b>SDI video format supports</b>		625/25PAL; 525/29.97NTSC; 525/23.98NTSC; 720p50; 720p59.94; 1080P23.98/24/30/50/60; 1080i 23/24/30/50/59.94;

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