



RB-12GSDI-MINI

single 12G SDI channel over fiber

The RB-12GSDI-MINI set is designed to forward one 12G SDI video channel supporting UHDTV 4K resolution (2160p@60Hz) over fiber optic, with high fidelity and with an universal, no settings, plug and play approach. The optical port is built-in single ST/UPC connector running over SMF up to 10Km or up to 500m over MMF. Set follows SMPTE ST-2082 and is backwards compatible with all previous lower res SMPTE standards. Has LED indicator for power, fiber link and SDI status of each converter.

Features

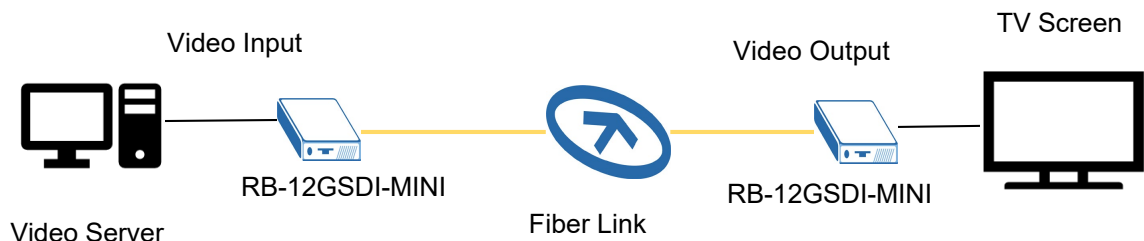
- single 4K 12G SDI signal @ 60Hz over fiber
- Compact metal case design with SDI BNC connector and ST connector single optical port
- Runs 10G rate optical link
- No compression, no delay, 4K resolution
- Plug and play design, no settings required
- LED signal for power, fiber and SDI status information
- All metal casing, hardened design for extreme temperature

Specifications

Optical Interface	Connector	single ST/UPC connector
	Data rate	optical 10G
	Duplex mode	Forward only
	Fiber	MM 50/125μm, 62.5/125μm or SM 9/125μm
	Distance	10Km over SMF, 500m over MMF
Electrical Interface	Wavelength	1310nm
	Connector	BNC male
	Impedance	75Ohms
	Formats supported	SMPTE ST-2082 12G-SDI 2160P60Hz SMPTE ST-2081 6G-SDI 2160P30Hz SMPTE 424M 3G-SDI 1080P30Hz SMPTE 292M HD SDI 1080i, 720P SMPTE 344M ED SDI 480P, 576P SMPTE 259M SD SDI 480i, 576i
	Cable max. distance	75m@12G, 120m@6G, 200m@3G 300m@1.5G, 600m@270M
	Signal amplitude	800mV +/- 10%

Standards	SMPTE ST-2082 and backwards compatible SMPTE
Indicators	LED (Power/Fiber Link/HDMI signal)
Power Input	Adapter Type: DC 5V/1A Power Input : AC 100 ~ 240V, 50-60Hz Power plug: US 2 blade, type A connector
Power Consumption	< 2W
Dimensions (D x W x H)	80 x 17 x 17mm (adapter not included)
Weight	Adapter : 50g Converter : 90g
Temperature	-20 ~ 70°C (Operating), -40 ~ 85°C (Storage)
Humidity	10 ~ 90% non-condensing
Certifications	CE, FCC
MTBF	95,000 hrs

Application



Ordering Information

Model Name	Description
RB-12GSDI-MINI	12G SDI forward channel to fiber extender set, single ST connector, AC adapters included