

Data Sheet: F-HD-SDI



Our F-HD-SDI series transmitters and receivers are used for fiber optic transport of HD-SDI signals. Our units transparently carry all audio and meta data embedded in the signal. Signals at speeds of up to 3G SDI can be carried over fiber to distances of up to 120 km. We use a digital re clocking technology to ensure that there is no signal jitter and to provide a clean HD SDI output. We also offer bi-directional transmission of HD SDI and SMPTE signals over a single fiber. The F-HD-SDI units are ideal for high definition signal transport in industries such as digital video broadcast, digital signage, medical, and government applications.



Typical F-HD-SDI Application



HD-SDI In



Up to 120 Km Singlemode Fiber



HD-SDI Out



Technical Specifications

Standards:	SMPTE 292M, SMPTE 344M
Channels:	Up to 8 Channels HD-SDI
Connection Ports:	1 – 8 BNC 75 ohm 1 SC/PC or SC/APC Optical
Optical Wavelength	1310nm – 40 Km 1550nm – 80 Km
Tx Output Power	-5 dBm
Rx Sensitivity	-30 dBm
Saturation	No

Operating Temp:	0 – 50 (°C)
Storage Temp:	-20 – 70 (°C)
Operating Humidity:	0 – 90 (%)
Storage Humidity:	0 – 90 (%)
Power Requirements:	110/240V Auto Sense
Dimensions:	480mmX225mmX44mm