

NOIF-2000 NON-COMPRESSION VIDEO SIGNAL OPTICAL INTERFACE

NOIF-2000 Non-Compression Video Signal Optical Interface converts HDTV Digital Video Signal (HD-SDI), SDTV Digital Video Signal (SD-SDI) and/or DVB Asynchronous Serial Interface (DVB-ASI) to OC-48 optical signal for long distance transmission.



NOIF-2000

Features

Long Distance and High Quality Video Signal Transmission

NOIF-2000 converts HD-SDI, SD-SDI and/or DVB-ASI to OC-48 optical signal.
HD-SDI X 1ch + SD-SDI X 2ch or SD-SDI X 6ch

Maximum Transmission Distance 80km (LR2-H)

LR1 or CWDM are also available.

10M Ethernet Interface

SD-SDI module includes 10M Ethernet Interface.

SNMP and Web Monitor

It is available to monitor NOIF-2000 using SNMP and Web browser.

Duplicate Optical Interface and APS

It is available to use two optical interface for Automatic Protection Switch (APS), if HD-SDI X 1ch or SD-SDI X 3ch is acceptable.

Power supply in a redundant system

Power supply can be configured as a optimum redundant system.

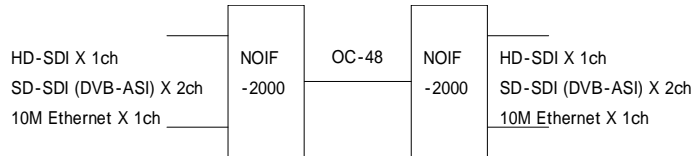
Hot-swappable plug-in design

Each module, power supply, and fan panel can be replaced with the power on for better maintainability.

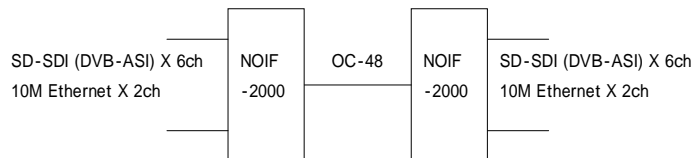
NOIF-2000 Non-Compression Video Signal Optical Interface

Application

Ex 1)



Ex 2)



OC-48 Optical Interface

	SR	IR	LR1	LR2-H	WLx
Distance	3 km*1	30 km*1	60 km*1	80 km*2	80 km*2
Wavelength	1266 ~ 1360 nm	1266 ~ 1360 nm	1280 ~ 1335 nm	1500 ~ 1580 nm	*3
Output Power	-10 ~ -3 dBm	-5 ~ 0 dBm	-2 ~ +3 dBm	+5 ~ +10 dBm	+2 ~ +3 dBm
Receive Power	-18 ~ -3 dBm	-18 ~ 0 dBm	-27 ~ -9 dBm	-29 ~ -9 dBm	-28 ~ -9 dBm
Connector	SC Connector				
Optical Fiber	SM/MM Type Optical Fiber Cable (SI 10/GI 50/GI 62.5/125 μ m)				

*1 Optical fiber loss of 0.4dB/km and optical fiber dispersion of 20ps/nm/km are assumed.

*2 Optical fiber loss of 0.25dB/km and optical fiber dispersion of 20ps/nm/km are assumed.

*3 C-WDM (1558.98/1552.52/1546.12/1539.77nm)

HD-SDI Interface


Bit Rate	1.485 / 1.001 Gbit/s ± 10ppm or 1.485 Gbit/s ± 10ppm
Connector	BNC (75 Ω Unbalance)
Output Voltage	800mV _{pp} ± 10%
Standard	SMPTE 292M

SD-SDI Interface

Bit Rate	270Mbit/s ± 10ppm
Connector	BNC (75 Ω Unbalance)
Output Voltage	800mV _{pp} ± 10%
Standard	SMPTE 259M / DVB DOCUMENT A010
10M Ethernet	10/100BASE-TX (Effective Rate < 10Mbit/s)

Frame

Configuration	Rack Mount Type (2RU)
Size	482.6 (W) X 88 (H) X 450 (D) mm
Weight	~ 19 kg
Supply Voltage	AC 90 ~ 132 (50 / 60 ± 3Hz) or DC - 48 ⁺⁶ V
Power Consumption	140W以下
Temperature	0 ~ 40

 **Safety precautions** To install, make connections and operate this product, please carefully read and observe instructions, precautions and recommendations in our instruction manuals.

The colors in this brochure may differ from those of the actual unit. Designs and specifications of this product is subject to change without prior notice.

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ISO 9000 Series



ISO 9001 JMI-0119
 NEC Broadcast and Video

ISO 14001



JQA-E-90066
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