

IFSE-100T/R

12G SDI FIBER OPTIC EXTENDER



Front View



Rear View

Product Summary

The IFSE-100T/R is a high-performance fiber optic transceiver designed to reliably transmit 12G-SDI video signals over long distances via fiber optic cable. It transmits high-quality video signals of up to 4K (UHD) resolution over distances of up to 40km without loss, delivering outstanding video quality and stable signal transmission even in long-distance environments.

Key Features

- Supports resolutions up to 4K@60Hz
- Data transfer rate: 12Gbps
- Transmission distance: Single-mode 40km, Multi-mode 300m
- SFP optical module

Specifications

Item	Specification
Model	IFSE-100T/R
Input	SDI [IFSE-100T], SFP Connector [IFSE-100R]
Output	SFP Connector [IFSE-100T], SDI [IFSE-100R]
Resolution	4K@60Hz (3840x2160, YCbCr 4:2:2)
Data Rate	12Gbps
Transmission Distance	Single Mode: 40km, Multi Mode: 300m
Power	DC +5V / 3A
Dimensions (W×H×D)	57 x 30 x 85 (mm)
Weight	0.22kg
Operating Temp	-10℃ ~ 60℃
Operating Humidity	Up to 80% RH (Non-Condensing)

VIDEO OUTPUT

OUTPUT - Data Format	SMPTE format	OUTPUT - Connector	SDI BNC (75ohm)
OUTPUT Signal Resolution	Information	Resolution Data Band rate	
	SMPTE-2082M	4K 2160p (11.88Gbps) 4:4:4	
	SMPTE-2081M	4K 2160p (5.94Gbps) 4:2:0	
	SMPTE-424M	FHD (2.97Gbps)	
	SMPTE-292M	HD (1.485Gbps)	

※ Notes

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* Specifications and design are subject to change without prior notice.