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# HD-SDI Equipment

## HD-SDI Optical Transmitter and Receiver

VCF-FB04TX/RX  
VCF-FB08TX/RX



**Features:**

- ◆ Support 4/8 channel SD/HD-SDI video embedded audio signal via fiber
- ◆ SD,HD auto-detection, supported transmission rate from 270M bit/s to 1.485G bit/s
- ◆ Transmission distance is from 0KM to 40KM via single mode fiber
- ◆ Support SMPTE 292M ,SMPTE 259M and DVB-ASI
- ◆ With 2CH Bi-Di data
- ◆ Operation status indication by LED

BENESTON® VCF-FB04/VCF-FB08 SD/HD-SDI series Optical Transceivers are a group of perfect and economic transmission device to transmit 4CH/8CH SD/HD-SDI video to up to further distance by one fiber cable, embedded audio and RS485 data via fiber-optic.

Transmitter is used as sending and Receiver is used as receiving .System support in accordance with SMPTE292M, SMPTE259M standard, as well as DVB-ASI (EN50083-9) digital TV signal format.

Specification	VCF-FB04TX/RX	VCF-FB08TX/RX
Model/Name	Single Mode, Single Fiber	
Quantity/Type	Single Mode, Single Fiber	
Video port	4CH BNC SD/HD-SDI	8CH BNC SD/HD-SDI
Transmission Distance	0~40km single mode fiber	
Fiber Connector	FC	
Wave Length	1310nm/1550nm	
Transmitted power	-10dbm ~ -3dbm	
MaximumReceiving Sensitivity	<-34dbm	
Signal Type	SD-SDI(270Mbps)/HD-SDI(1.485Gbps)	
Support Input Format	SD: 525i @ 59.94Hz, 625i @ 50Hz / HD: 720p @ 25Hz / 29.97Hz / 30Hz 720p @ 50Hz / 59.94Hz / 60Hz / 1080i @ 50Hz / 59.94Hz / 60Hz 1080p @23.98Hz/24Hz/25Hz/29Hz/30Hz	
Video Standard	SMPTE 292M ,SMPTE 259M	
DATA comm. method	2CH RS-485/Half duplex/Industrial terminals	
In-out electrical level	800mVp-p±10%	
In-Out Ohm	75Ω	
Digital Audio	48KHz	
AES digital audio channel	Support	
Power Supply	AC110V/220V	
Power Consumption	3~5Watts	
OperatingTemperature	0°C ~ 60°C / 32°F ~ 140°F	
Storage Temperature	-30°C ~ 70°C / -22°F ~158°F	
Relative Humidity	20~90%RH(Non-condensation)	
Dimension	480×162×43mm/18.9×6.38×1.69in	
Weight	2950g(Tx and Rx)	

Unir : mm

