

FHC6100 1 CHANNEL MULTIFUNCTION VIDEO OPTICAL TRANSMITTER & RECEIVER

Product Description

The Product provides customer with the most cost-effective solution for transmission of 1 channel uncompressed digital video, 1 reversed stereo audio and 1 reversed RS232/RS422/RS485 data over one single fiber cable. It is an easy installation and adjustment free device while providing high quality, real-time video. The product may also be maintained by our future product, FHC-6000M, a Network Management System.

Overview

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Applications for this product include CCTV, video surveillance, homeland security, ITS and etc. **Features**

- Transport 1 channel digitized, high quality, uncompressed video
- ≤10 MHz video bandwidth, Compatible with NTSC, PAL and SECAM
- Provide 1 reversed stereo audio and 1 reversed data transmission over same optical fiber
- Easy installation and adjustment free
- Transmission range up to 120KM depending on model
- RS232, RS422/RS485 compatible data interfaces
- Stand alone operation or mount in Model FHC-6000-4U- chassis



Specifications

- Power:
 - 220VAC/50Hz, standalone device
 - 1A@5VDC for rack card
- Indicators:
 - Power, Link Status, Video Signal
 - Audio status, Data traffic
- Video:
 - Format: PAL/NTSC/SECAM
 - Video Signal: 1Vp-p, 75Ω
 - Digitization: 8bits
 - Bandwidth 6.5MHz
 - DG <1%
 - DP <0.5o
 - SNR >60dB(weighted)
 - Connectors: 1 BNCs
- Physical Dimensions:
 - 175*25.3*222(mm) Card
 - 100*57*21(mm) Standalone
- Audio
 - Channel: 1 stereo audio
 - Audio Input: unbalanced, 600Ohms
 - Digitization: 16bit@48k
 - Frequency: 10Hz to 20KHz
 - SNR: >70dB
 - Connector: RCA
- Data:
 - Channel: 1, Reversed
 - Data Rate: 0~23.04Kbps/channel
 - Selectable RS-232/RS-422/RS-485
 - Connector: RJ45
- Environment:
 - Operating: 0oC~+70 oC
 - Storage: -40oC~+85 oC
 - Humidity: 0-95% Non-Condensing

Typical Application Order Information

Fiber Type	Video Transmitter	Video Receiver	Range	Comment
Multimode (62.5/125μm)	FHC-6100T	FHC-6100R	4Km	video only
	FHC-6100Tad	FHC-6100RAD	3Km	
Single Mode (09/125μm)	FHC-6100T	FHC-6100R	120Km	video only
	FHC-6100Tad	FHC6100RAD	40Km	
	FHC-6100Tad	FHC-6100TAD	80Km	
CWDM	FHC-6100T-W	HC6100R-W	rrmKm	video only
	FHC-6100T-Wad	FHC-6100R-WAD	rrrKm	

- Note: SC connectors standard, consult factory for other connectors.

Add -M at the end of model number for rack card product