

SYNERGY TELECOM PVT LTD

13-15 RPS Flats, E-Block VIKASPURI N DELHI 110018... INDIA
Phone-91 11 28533349, MOBILE 9810138894, FAX -91 1128531435,
Email: - pkumar@ndb.vsnl.net.in , Web site: - www.rfconnector.info

FHC-6160 Series 16 Channels Digital Video Optical Transmitter & Receiver



Overview

The Product is a fiber optic digital multiplexer for transmitting 16 channel high quality, uncompressed digital video, 8 channels of bi-directional data and audio, 4 E1 and one 100M Ethernet over a single fiber cable. The product may also be maintained by our future product, FHC-6000M, a Network Management System.

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

Features

- Transport 16 channels of High quality video over one optical fiber cable
- Exceed RS250C Medium Haul Specification for DG, DP and SNR.
- 6.5MHz video bandwidth, Compatible with NTSC, PAL and SECAM
- Uncompressed video, 8 Bit digital encoding/decoding
- Transmission of 8channels of any directional audio
- Provide 8 channels of bi-dir data compatible with RS232, RS422/RS485
- Support 4 E1, G.703 standard
- One 10M/100M Ethernet compatible with IEEE802.3
- Easy installation and adjustment free
- Transmission up to 60KM over one fiber

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Specifications

- Power:
220VAC/50Hz, standalone device
2A@5VDC for rack card
- Indicators:
Power, Optical Link Status
Video Signal, Audio status, Data traffic
E1 Alarm, Ethernet Link Status
- Video:
Format: PAL/NTSC/SECAM
Video Signal: 1Vp-p, 75Ω
Digitization: 8bits, 15M Sample
Bandwidth 6.5MHz
DG <1%
DP <0.5o
SNR >63dB(weighted)
Connectors: 16 BNCs
- Audio
Channel: 1~8, Bi-dir
Audio Input: unbalanced, 600Ohms
Digitization: 16bit@48k
Frequency: 10Hz to 20KHz
SNR: >70dB
Connector: RJ45
- Data:
Channel: 1~8, Bi-dir
Data Rate: 0~23.04Kbps/Ch
Format: RS-232/RS-422/RS-485
Connector: RJ45
- E1 support:
Bit rate: 2.048Mb
Line code: HDB3
Standard: ITU-T G.703
Connector: CC3(1.0/2.8)
line impedance: 75ohm
Jitter Performance: G.742 and G.823
- Ethernet:
Data Rate: 10/100Mbps auto detect
Standard: IEEE802.3
Connector: RJ45
Auto-negotiation with half/full duplex
- Environment:
Operating: 0oC~+70 oC
Storage: -40oC~+85 oC
Humidity: 0-95% Non-Condensing
- Physical Dimension:
434 * 66 * 200(mm), Standalone