

8-BIT FIBER OPTIC VIDEO TRANSMISSION FOR FIXED CAMERAS

16 Channel Simplex Video (MINI Size)

■ System Design

Fiber Optic Video Transmitter & Receiver HOE8615 can transmit 16-channel digital composite simplex video for fixed camera, no audio, no data.

Stand-alone or rack-mount All this series can only be the standalone units.

Single-Mode or Multi-Mode HOE8615 can support FC/PC, ST/PC connectors. The Transmission distance range according to the Optical Budget. Manufacturer's standard is: Single-mode 20km, Multi-mode 2KM.

■ Features

- Uncompressed Digital Composite Video over one fiber
- Compatible with all PAL, NTSC, SECAM Video Systems
- Multimode Fiber Support for Distances up to 2 km
- Single-Mode Fiber Support for Distances up to 20 km
- LED Status Provide Rapid Indication of Operating Parameters
- No EMI or RFI and no ground loops.
- Produce according to customer's specifications, providing OEM



■ Specifications:

General Specifications	
Power Supply	5VDC
Power Consumption	<5W
Operating Temperature	-40 °C ~ +80 °C
Storage Temperature	-40 °C ~ +85 °C
Operating Humidity	0-95% (non-condensing)
MTBF	>100,000 hours
Dimensions	230 x 205 x 55mm
Weight	1600g/pc
Optics	
Optical wavelength	1310nm
Fiber Type	Multi-mode or single-mode fiber
Link Distance	Multimode: <2km; Single-mode: <20km
Connector	Simplex FC (ST on request)
Acceptable highest optic loss budget for single-mode fiber: >18dB	
Video	
Numbers of Channels	16 channel simplex video
Video Connector	BNC female
Input / Output Impedance	75 Ω(unbalanced)
Video Input Level	1.0 Vpp
Video Bandwidth per Channel	50Hz~6.5 MHz
Video SNR	>60dB
Differential Gain(DG)	<3%
Differential Phase (DP)	<1.2°
Tilt	<1.8%



■ **Ordering Information:**

Item No.	Fiber Type	Transmission distance	Wavelengths	Video	Data	Audio
HOE8615S-TX	Single-mode	20KM	1310nm	16-ch, simplex	--	--
HOE8615S-RX	Single-mode	20KM	1310nm	16-ch, simplex	--	--
HOE8615M-TX	Multi-mode	2KM	1310nm	16-ch, simplex	--	--
HOE8615M-RX	Multi-mode	2KM	1310nm	16-ch, simplex	--	--

Remark: TX: Transmitter, RX: Receiver, S: Single-mode, M: Multi-mode

Note:

- Optical transmission distance is limited to optical loss of the fiber and any additional loss introduced by connectors, splices and patch panels.
- Maximum transmission distance is also limited by fiber bandwidth.
- Power adapter is manufactured by third party and is supplied with fitted screw-terminal output cables. Power adapter included (for standalone) US and European power plug.
- Please feel free to consult factory for any special requirement and customization
- Due to continuous improvement, all products specifications are subject to change without further notice.

