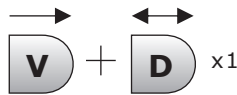


OTSD110BMicro

Micro One Video + Duplex Data Transmitter / Receiver



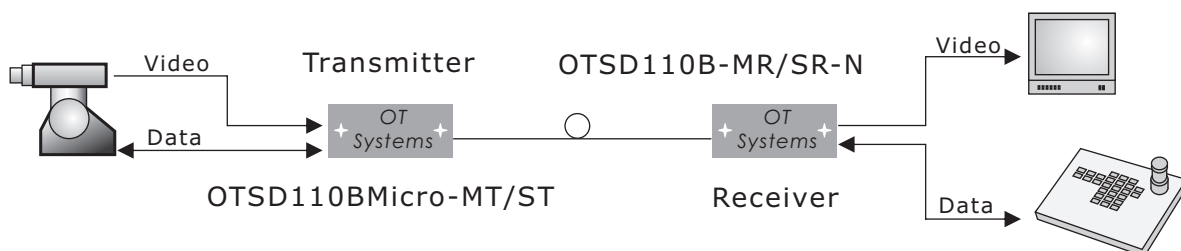
OTSD110BMicro

Features

- 8-bit digital PCM encoding
- Support full duplex RS422/RS485(4-wire) data format
- Non-compressed video
- Compatible with NTSC, PAL, SECAM
- Plug-and-play
- FC or ST optical connector
- Eliminate EMI, RFI and ground loop
- Surface mount technology (SMT)
- Micro transmitter fits in camera housing
- Pig-tail BNC connector for flexible placement
- High sensitivity
- Signal to noise ratio greater than 61 dB
- Adjustment free
- Operation status indicated by LED indicators
- Cost effective solution for simple system installation
- Also compatible with card module receiver

8-bit Digital

Typical Application



ISO 9001:2000
FM 88638

Model Selection Guide

Model		Description	Optical Budget (dB)	Wave-Length (nm)	Maximum Distance (Km)
Multi Mode 62.5/125u	OTSD110BMicro-MT	Transmitter of one video + one duplex data	15	1310/ 1550	3
	OTSD110BMicro-MR	Receiver of one video + one duplex data	15		
Single Mode 9/125u	OTSD110BMicro-ST	Transmitter of one video + one duplex data	20	1310/ 1550	40
	OTSD110BMicro-SR	Receiver of one video + one duplex data	20		

OTSD110BMicro-MT/ST Micro transmitter also compatible with: OTSD110B-MR/SR-N card receivers

Note:

- (1) Default optical connector is ST type, please specify if FC type is required.
- (2) Each Micro unit comes with a 12VDC power adapter.
- (3) Please select power plug from US type, UK type, Eurotype or Australian type when ordering.
- (4) Transmission distance may be limited by optical loss of fiber, such as connector loss, splicing loss, and fusion loss.
- (5) OT Systems has various types of transmitter and receiver for transmission over longer distance in different optical budget. Please contact us for details.

Specifications

Video

Channel	1
Bandwidth	7.5MHz
Input/Output Impedance	75Ω
Input/Output Amplitude	1.0Vp-p typical
Differential Gain	≤ 1% typical
Differential Phase	≤ 1° typical
SNR	>61dB
Sampling Rate	15MHz

Data

Channel	1
Direction	Full duplex
Format	RS422/RS485(4-wire)
Transmission Rate	0~256Kbps

Electrical

Requirement	12VDC
Power Supplies	12VDC power adapter

Physical

Weight (in kg)	Transmitter: 0.10 Receiver: 0.10
Dimensions H X W X D (in mm)	Transmitter : 23 X 35 X 97 Receiver : 23 X 35 X 102

Environmental

Operating Temperature	-40°C~+75°C
Relative Humidity	0~95% non-condensing

MTBF

Mean Time Between Failures (MTBF)	>100,000Hrs
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