

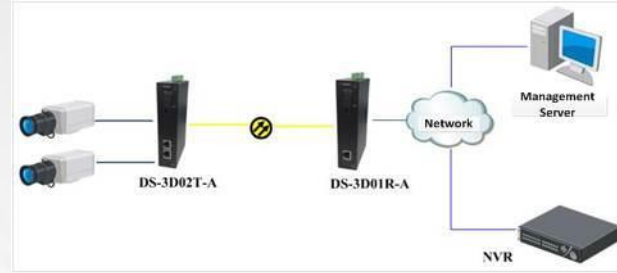
DS-3D01 Series 100M Optical Transceiver



Overview

Adopting time division and wavelength division multiplexing technology, the DS-3D01 series Fiber Optic Transmitter / Receiver is capable of transmitting signal via the Ethernet interface in the single-fiber and single-mode, and can be used both in pairs and cooperated with 100M Optical Transceiver. Owing to the industrial design which is highly reliable, DS-3D01 series can be widely applied to the video surveillance systems in public security, transportation, mine, factory, etc.

Typical Application



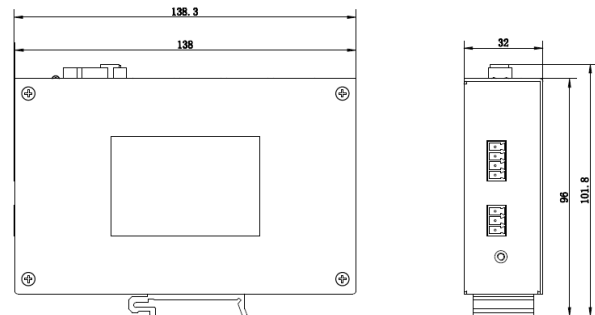
Available Models

Models	Description
DS-3D01T-A	1-ch 100M Transmitter
DS-3D01R-A	1-ch 100M Receiver
DS-3D01R-AU	1-ch 100M Receiver

Key Features

- 1 10/100BaseT(X) self-adaptive RJ45 interface;
- 1 100BaseFX Ethernet optic interface (FC and SC selectable);
- Single-fiber and single-mode with 20km transmission distance;
- IEEE802.3, IEEE802.3u, and IEEE802.3x network standards;
- Storage and forwarding switch;
- Broadcast storm prevention;
- Delay time of data exchange is less than 5μs;
- QoS (Quality of Service);
- Compact structure;
- Able to work between -30 °C and 70 °C (-22 °F ~ 158 °F);
- Plug and play, and convenient installation;
- Industrial design.

Dimension



DS-3D01 Series 100M Optical Transceiver



Model	DS-3D01T-A	DS-3D01R-A	DS-3D01R-AU
Parameters			
Optic			
Interface Type	SC		FC
Transmission Distance	0~20 km		
Optical Type	Single-mode and Single-fiber, 9/125 μm		
Input/output Wavelength	Tx1310/Rx1550nm	Tx1550/Rx1310nm	
Sending Power	-14~-7dBm		
Receiving Sensitivity	-32 dB		
Network			
Interface	1 RJ45, 10/100BaseT(X)		
Network Standard	IEEE802.3, 802.3u, 802.3x		
Process Mode	Storage and Forwarding		
Flow Control	IEEE802.3x Full Duplex, backpressure		
Priority Queue	4		
MAC Address Table	2k		
QoS (Quality of Service)	Support		
Exchange Capacity	12Gbps		
Packet Forwarding Rate	0.3Mpps		
Internal Cache	384Kbit		
General			
LED Indicator	OPT optical fiber link indicator, PWR power indicator		
Cover	Metal Material, No Fan		
IP level	IP 40		
Power Supply	12 VDC/1A		
Consumption	< 6W		
Working Temperature	-30 °C ~ 70 °C (-22 °F ~ 158 °F)		
Working Humidity	5~95% (No Condensation)		
Weight	0.4kg (0.88lb)		
Dimension (H×W×D)	138.3mm×32mm×99.5mm (5.44"×1.26"×3.92")		
Installation	DIN Industrial Rail Mounted		4U Rack-Mounted