DS-3D201 Series
1000M Optical Transceiver

Overview

Adopting time division and wavelength division multiplexing technology, the DS-3D201 series Fiber Optic Transmitter / Receiver is capable of transmitting signal via the Ethernet interface in single-fiber and single-mode, and can be used both in pairs and cooperated with 1000M Optical Transceivers. Owing to the industrial design which is highly reliable, DS-3D201 series can be widely applied to the video surveillance systems in public security, transportation, mine, factory, etc.
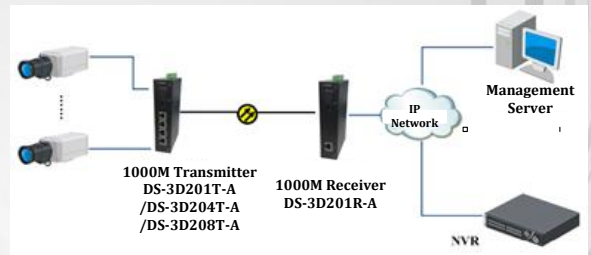
Available Models

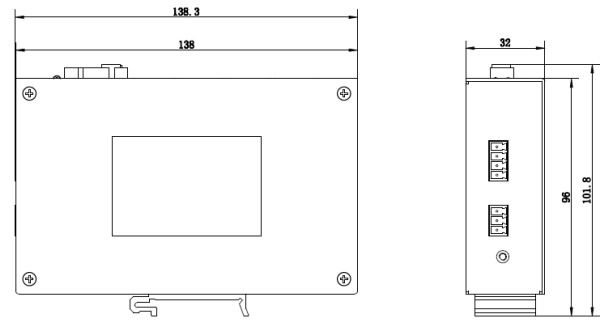| Models	Description
DS-3D201T-A	1-ch 1000M Transmitter
DS-3D201R-A	1-ch 1000M Receiver
DS-3D201R-AU	1-ch 1000M Receiver

Key Features

- 1 10/100/1000BaseT(X) self-adaptive RJ45 interface;
- 1 1000BaseFX Ethernet optic interface ;
- Single fiber and single mode with 20 km transmission distance;
- Support IEEE802.3, IEEE802.3u, and IEEE802.3x network standards;
- Storage and forwarding switch;
- Broadcast storm prevention;
- Delay time of date exchange is less than 5us;
- Support QoS；
- Compact structure;
- Able to work between -30 °C and 70 °C (-22 °F ~ 158 °F);
- Plug and play, convenient installation
- Industrial design.

Typical Application

1000M Transmitter
DS-3D201T-A
/DS-3D204T-A
/DS-3D208T-A

1000M Receiver
DS-3D201R-A

IP Network

Management Server

NVR

Dimension

DS-3D201 Series
1000M Optical Transceiver

Model Parameters	DS-3D201T-A	DS-3D201R-A	DS-3D201R-AU
Optic			
Interface Type	SC Interface		
Transmission Distance	0~20 km		
Optical Type	Single-mode and Single-fiber, 9/125μm		
Input/output Wavelength	Tx1310/Rx1550nm	Tx1550/Rx1310nm	
Sending Power	-6~-1dBm	-9~-1dBm	
Receiving Sensitivity	-21dB		
Network			
Interface	1 RJ45, 10/100/1000BaseT(X)		
Network Standard	IEEE802.3, IEEE802.3u, IEEE802.3x		
Process Mode	Storage and Forwarding		
Flow Control	IEEE802.3x Full Duplex, Backpressure		
Priority Queue	4		
MAC Address Table	8k		
QoS (Quality of Service)	Support		
Exchange Capacity	4Gbps		
Packet Forwarding Rate	2.9Mpps		
Internal Cache	1Mbit		
General			
LED Indicator	OPT optical fiber link indicator, PWR power indicator		
Cover	Metal Material, No Fan		
IP level	IP 40		
Power Supply	12 VDC/1 A		
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

HIKVISION