

## 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.

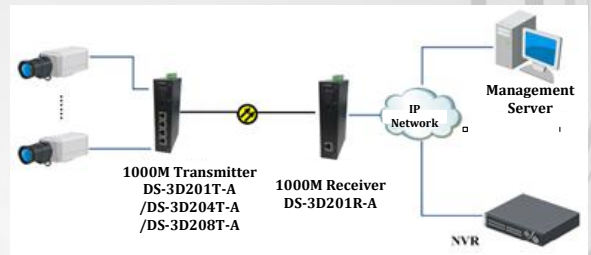
### Available Models

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

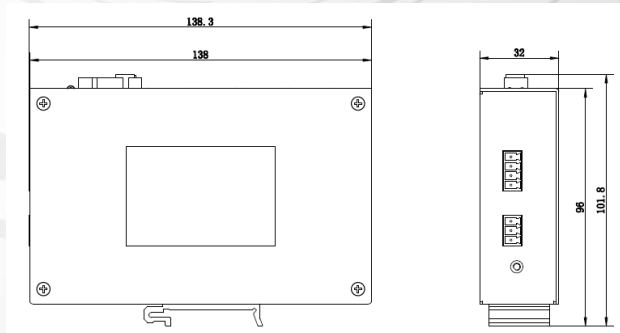
### Key Features

- 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 75 °C (-22 °F ~ 167 °F);
- Plug and play, convenient installation
- Industrial design.

### Typical Application



### Dimension



# DS-3D201 Series 1000M Optical Transceiver



Model	DS-3D201T-A	DS-3D201R-A	DS-3D201R-AU
Parameters			
<b>Optic</b>			
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		
<b>Network</b>			
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		
<b>General</b>			
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 ~ 75 °C (-22 °F ~ 167 °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