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DS-3D04 Series
100M Optical Transceiver

Overview

Adopting time division and wavelength division multiplexing technology, the DS-3D04 series Fiber Optic Transmitter 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 the DS-3D01R series products. It adopts the industrial design with a high reliability and wide Owing to the industrial design which is highly reliable, DS-3D04 series can be widely applied to the video surveillance systems in public security, transportation, mine, factory, etc.
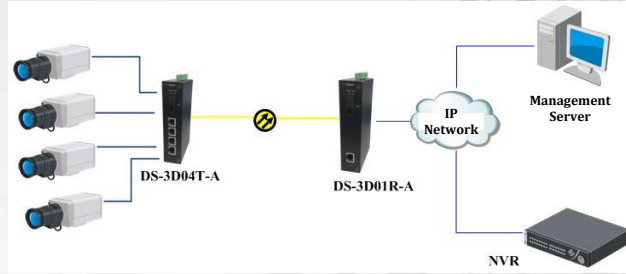
Available Models

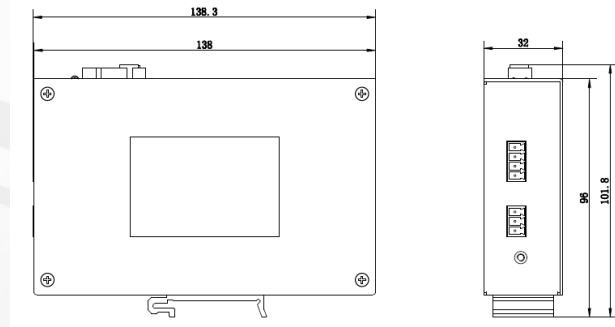| Models	Description
DS-3D04T-A	4-ch 100M Transmitter

key Features

- 4 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;
- 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 5 μs;
- QoS (Quality of Service)；
- Compact structure;
- Able to work between -30 °C and 70 °C (-22 °F ~ 158 °F);
- Plug and play, convenient installation;
- Industrial design.

Typical Application

Dimension

DS-3D04 Series
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Parameters / Model	DS-3D04T-A
Optic	
Interface Type	FC/SC Interface
Transmission Distance	0~20 km
Optical Type	Single-mode and Single-fiber, 9/125µm
Input/output Wavelength	Tx1310/Rx1550nm
Sending Power	-7~-15dBm
Receiving Sensitivity	-32dB
Network	
Interface	4 RJ45, 10/100BaseT(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	2k
QoS (Quality of Service)	Support
Exchange Capacity	1.2Gbps
Packet Forwarding Rate	0.7Mpps
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/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

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