# HIKVISION

# DS-3D204 Series
# 1000M Optical Transceiver

## Overview

Adopting time division and wavelength division multiplexing technology, the DS-3D204 series Fiber Optic Transmitter 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 the DS-3D201R series products. It adopts the industrial design with a high reliability and wide application, which can be applied to the video surveillance systems in public security, transportation, mine, factory, etc.

## Available Models

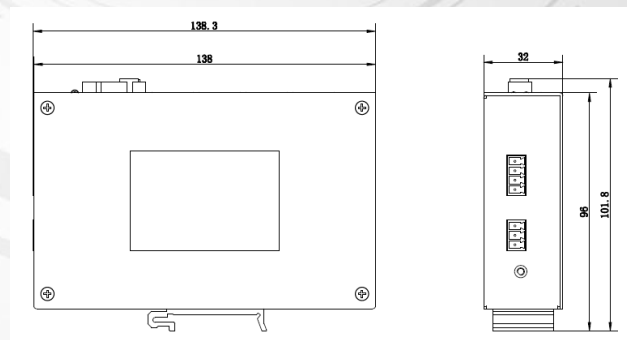| Models | Description |
|--------|-------------|
| DS-3D204T-A | Transmitter, 1 1000M RJ45, 3 100M RJ45 |

## Key Features

- 3 10/100BaseT (X), 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 5μs;
- 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

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| Parameters \ Model | DS-3D204T-A |
|---|---|
| **Optic** | |
| Interface Type | 1 SC Interface |
| Transmission Distance | 0~20 km |
| Optical Type | Single-mode and Single-fiber, 9/125μm |
| Input/output Wavelength | Tx1310/Rx1550nm |
| Sending Power | -6 ~ -1dBm |
| Receiving Sensitivity | -21 dB |
| **Network** | |
| Interface | 4 RJ45, 3 10/100BaseT(X), 1 10/100/1000BaseT(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 | 8k |
| QoS (Quality of Service) | Support |
| Exchange Capacity | 4.6Gbps |
| 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 |

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