



Hikvision DS-3D501R-3

· Specification summary



Device class	3 km Gigabit Fiber Transceiver
Shell	Metal
Net weight	0.13 kg (0.28 lb)
Gross weight	0.23 kg (0.51 lb)
Dimensions (W × H × D)	71.6 mm × 26.1 mm × 94.1 mm (2.81" × 1.03" × 3.70")
Operating temperature	-20 °C to 60 °C (-4 °F to 140 °F)
Storage temperature	-40 °C to 85 °C (-40 °F to 185 °F)
Operating humidity	5% to 95% (no condensation)
Relative humidity	5% to 95% (no condensation)
Power supply	5 V DC, 0.6 A
Maximum power consumption	3 W
Idle power consumption	2 W
Installation mode	Desk-Mounted
Surge protection	4 kV
Ports	1 x 10/100/1000 Mbps RJ45 port and 1 x 1000 Mbps SC fiber optical port
Switching capacity	4 Gbps
Packet forwarding rate	2.98 Mpps
Optical interface	SC
Fiber type	Single-mode bidirectional fiber
Transmission distance	3 km; manufacturer reference, dependent on the selected fiber link.
Wavelength	Tx1550 nm/Rx1310 nm
Transmit power	-12 dBm to -4 dBm
Setup reference	Plug and play; separate power and link checks remain necessary.
Grounding terminal reference	Grounding terminal shown for connection to a grounding cable; confirm the complete grounding arrangement.

Specifications are summarised from the manufacturer's published information (checked 2026-10-19). They describe the cited version only. Confirm the exact model, suffix and supplied revision before ordering. ISD confirms supply, price, availability and warranty separately.

IS Distributions Sdn. Bhd., Kuching, Sarawak · <https://www.isdsb.com.my/product-hikvision-display-ds-3d501r-3.html>