AEO | TECHNICAL DOCUMENTS

AEO-8S3101 — Specifications

English · Revision EN-20261101-V178

Backplane bandwidth	14Gbps
Packet buffer	1Mbits
MAC address table	2K
Maximum frame size (bytes)	9216bytes
Switching mode	Store and Forward
Network ports	1 x 10/100/1000Base-T(X) auto-negotiating Ethernet port
Optical ports	1 x 1000Base-X optical port; FC by default; FC/SC/ST optional
Optical wavelength	1310nm/1550nm (single-mode, single-fiber); 1310nm (single-mode, dual-fiber); 850nm (multimode, dual-fiber)
Optical transmission distance	20 km standard (single-mode, single-fiber); ≤550m (multimode, dual-fiber)
Power input	12–57 VDC
Power consumption	≤4W
Power connector type	3 pin terminal block and Φ2.1mm DC connector
Reverse polarity protection	Supported
Power overload protection	Supported
Power redundancy	Supported
IPC extension	Supported; up to 250m
One-touch VLAN	Supported
CBIT video optimization	Supported
EN61000-4-2 electrostatic discharge	±8KV contact discharge; ±15KV air discharge
EN61000-4-3 radiated immunity	10V/m(80～1000MHz)
EN61000-4-4 electrical fast transients	±10KV power line; ±2KV data line
EN61000-4-5 surge immunity	±10KV/CM, ±10KV/DM power line; ±2KV data line

EN61000-4-6 conducted immunity	3V(10KHz～150KHz)，10V(150KHz～80KHz)
Enclosure material	Aluminum alloy; fanless
Dimensions (L*W*H)	135 × 110 × 40mm
Operating temperature	-40 °C ~ 85 °C
Operating humidity	5% ~ 95% (non-condensing)
Mounting	35mm DIN rail
Protection rating	IP40

Source: Chinese source document / product specifications
www.aeo-cctv.com/en/