AEO | PRODUCT SPECIFICATIONS

AEO-8S3108/POE

Industrial 8-channel Gigabit PoE optical transmission unit

English · Revision EN-20261101-V177

Backplane bandwidth	28Gbps
Packet buffer	2Mbits
MAC address table	2K
Maximum frame size (bytes)	9216bytes
Network ports	8 x 10/100/1000Base-T(X) auto-negotiating PoE 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)
Reverse polarity protection	Supported
Power input	44–57 VDC
Power consumption	≤5W (excluding PoE)
Power connector type	3 pin terminal block and Φ2.1mm DC connector
Power overload protection	Supported
Power redundancy	Supported
PoE	IEEE802.3af/at
PoE pin assignment	V+ V+ V- V- on pins 1, 2, 3, 6 (pins 4, 5, 7, 8 available on request)
PoE output per port	IEEE802.3af：15.5W；IEEE802.3at：25.5W
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 × 50mm
Operating temperature	-40 °C ~ 85 °C
Operating humidity	5% ~ 95% (non-condensing)
Mounting	35mm DIN rail
Protection rating	IP40

Product page: https://www.aeo-cctv.com/en/products_e_48/AEO_8S3108_POE
www.aeo-cctv.com/en/