

Managed Industrial switch

> 8 ports PoE 30W

> 2 SFP/1G Uplink

> IP66 | NEMA4 | IK08

The NSBox access Nodes are devised for the deployment of protected outdoor Video Surveillance systems. The Nodes provide trouble proof operation of connected video cameras with a secure power supply, reliable data transmission, and protection of sensitive equipment from surges caused by lightning and power fluctuations. It is a perfect technology solution for time and money saving in any outdoor Video Surveillance projects for a large-scale area ranging from construction sites, parking lots, hotels, parks, shopping mall, sports facilities, airports, railways, bridges, and highways.

The basic equipment of the NSBox-2080 includes: wall mounting brackets, mounting plate with DIN-rails, terminal blocks, a two-pole circuit breaker, an electrical grounding bar, a fan with a thermostat, a set of cable glands. These modules can also be included in the assembly:

- Managed Industrial switch: uplink 2 SFP/1G, 8 ports 10/100T PoE 30W;
- Power Supply 48VDC-360W or UPS NR-48VDC-360VA with mounting kit for batteries 7Ah x4;
- Climatic control system inside enclosure: thermostats, Fan Heater, Thermoelectric Cooler/ Assembly;
- Fibre-optic distribution frame (ODF), complete with SC/LC adapters, pigtails, patch cords, and a mounting kit;
- Lightning and surge protection for Ethernet PoE ports and power circuits 220VAC.

The basic NSBox-2080 models are: NSBox-2080 | NSBox-2080H | NSBox-2080R | NSBox-2080HR

NSBox-2080 PX18F34F	Access Node: NSB-3040F1 enclosure with Fan, without Heater, with ODF; 48VDC-360W Power supply; NIS-3500-3208PC Switch: uplink 2 SFP/1G, 8 ports 10/100T PoE 30W for IP cameras; Reboot PDs
NSBox-2080H PX18F34H	Access Node: NSB-3040H1F1 enclosure with Fan Heater, with ODF; 48VDC-360W Power supply; NIS-3500-3208PC Switch: uplink 2 SFP/1G, 8 ports 10/100T PoE 30W for IP cameras; Reboot PDs
NSBox-2080R RX18F38F	Access Node: NSB-3838F1 enclosure with Fan, without Heater; UPS NR-48VDC-360VA with mounting kit for batteries 7Ah x4; NIS-3500-3208PC Switch: uplink 2 SFP/1G, 8 ports 10/100T PoE 30W; Reboot PDs
NSBox-2080HR RX18F38H	Access Node: NSB-3838H1F1 enclosure with Fan Heater; UPS NR-48VDC-360VA with mounting kit for batteries 7Ah x4; NIS-3500-3208PC Switch: uplink 2 SFP/1G, 8 ports 10/100T PoE 30W; Reboot PDs

Technical Data



Input Voltage Power consumption	: 100 - 240VAC 500 W (no more)
Enclosure material (cabinet, door)	: Sheet steel, powder-coated, primed
Protection category IP/NEMA IK Code	: IP66 / NEMA4 IK08
Enclosure mounts	: Wall or pole mount with NSBon-01 kit
Operating temp. with thermal insulation	: -40°C to +60°C -50°C to +60°C
Dimensions (no cable glands)	: 300x400x210 or 380x380x210mm for R models
Shipping weight (approx.)	: 12 kg 22 kg for R models (with batteries)
Fibre-optic distribution frame (ODF)	: complete with SC/LC adapters, pigtails, patch cords
Heater with thermostats (for H models)	: NSBon-18 option, Fan Heater
Uninterruptible Power Supply (for R models)	: NR-48VDC-360VA with mounting kit for batteries 7Ah x4
Hardware specification	Managed Industrial switch NIS-3500-3208PC
8x 10/100Base-TX PoE 30W	IEEE 802.3at / 802.3af (PD Alive Check)
2x 100/1000M SFP slots (with DDM)	Total PoE Budget 200W, PSE 30W/port

Management Interface | Diagnostic

Console/CLI, Web GUI, Telnet, SNMP | Syslog, VLAN mirroring, RMON, SNMP Trap

Network Protocols :

Spanning Tree: STP, RSTP, MSTP; **Ring Topology:** Chain, Dual Homing, Couple Ring; **VLAN:** Port-based, 802.1q tag-based, 802.1ad Q in Q; **IGMP** Snooping v1/v2/v3 & Querier; **QoS:** 802.1p, 8 queues per port, WRR/SPQ; **DHCP** Client, Server, Relay, Snooping, Option 82; 802.1ab **LLDP;** Multicast/Broadcast/Flooding **Storm Control;** Access Control: IP/MAC-based/ 802.1x authentication; **Security:** HTTPs, SSH, Radius Client; NTP/SNTP;

