Outdoor access Nodes NSBox

Managed Industrial switch

NSBox-p4044

> PoE: 4x 30W | 2x 60W | 2x Passive > 4 SFP/1G Uplink > Polyester electrical enclosure IP66 | NEMA4 | IK10

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.

Glass Reinforced Polyester enclosures, NSP-xxyy series are used for NSBox-p4044 access Nodes. The basic equipment 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 4 SFP/1G, 8 TP/1G ports with PoE various power ;
- Power Supply 55VDC-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.

In order to include additional modules in assembling of Nodes needs to select Optional Accessories NSBon-xx.
NSBox-xxxxR with UPS are delivered without preset Batteries, only mounting kit for Batteries 7 | 15 | 45Ah is included.

The basic NSBox-p4044 models are: NSBox-p4044H | NSBox-p4044HR

NSBox-p4044H	Access Node: NSP-4060H3F1 enclosure with Fan Heater, with ODF/12SC; 55VDC-360W Power supply; WI-
GX17F46H	PMS312GF-I switch: uplink 4 SFP/1G, 8 ports TP/1G PoE 802.3at/3bt/Passive; Reboot PD
NSBox-4044HR	Access Node: NSP-4060H3F1 enclosure with Fan Heater, with ODF/12SC; UPS NR-48VDC-360VA with mounting kit
UX17F46H	for batteries 7Ah x4; WI-PMS312GF-I switch: uplink 4 SFP/1G, 8 ports TP/1G PoE 802.3at/3bt/Passive; Reboot PD

Technical Data

Input Voltage | Power consumption	: 100 - 240VAC | 500 W (no more)
Enclosure material (cabinet, door)	: Glass Reinforced Polyester (GRP)
Protection category IP/NEMA | IK Code	: IP66 / NEMA4 | IK10
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)	: 400 x 600 x 230 mm
Shipping weight (approx.)	: 15 kg | 25 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 WI-PMS312GF-I
8x 10/100/1000T RJ45 with PoE various power	IEEE 802.3at / 802.3bt (PD Alive Check) / Passive PoE
4x 100/1000M SFP slots (with DDM)	Total PoE Budget 300W, PSE 30W/port, max 60W

Management Interface | Diagnostic

Console/CLI, Web GUI, Telnet, SNMP, Syslog, RMON

Network Protocols :

Ring Topology: ERPS, EAPS; Spanning Tree: STP, RSTP, MSTP; **VLAN**: Port-based, 802.1q tag-based; **IGMP** v1/v2/v3 & MLDv1/2 Snooping; **QoS**: 802.1p, 8 queues per port, WRR/SP/WFQ; **DHCP** Snooping; Multicast/Broadcast/Unicast **Storm Control**; **Security**: RADIUS, TACACS+, SSH, AAA, ACL; SNTP; Static Routing.