

Managed Industrial switch

> 4 ports PoE 30W

> 2 SFP/1G + 2 TP/1G Uplink

> IP66 | NEMA4 | IK08

The NSBox access Nodes are devised for the deployment of protected Outdoor Video Surveillance systems. The Nodes provide troubleproof operation of connected video cameras ranging from secure power supply, reliable data transmission, and protection of sensitive equipment from surges caused by lightning and grid power fluctuations. There is an ideal technological solution for time and money saving in any outdoor Video Surveillance projects for a large area ranging from highways, bridges, parking lots, airports, railways, sports facilities, hotels, parks, shopping malls, and construction sites.

The basic equipment of the NSBox-4042 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 + 2 TP/1G, 4 ports TP/1G PoE 30W;
- Power Supply 48VDC-150W or UPS CR-48VDC-150VA with mounting kit for batteries 7Ah x4;
- Climatic control system inside enclosure: thermostats, Fan Heater, Thermoelectric Cooler/ Assembly;
- Fiber Optic Distribution Frame (ODF) for connecting optical fibers with FC adapters, pigtails, patch cords;
- Lightning and surge protection for Ethernet PoE ports and power circuits 220VAC.

The basic NSBox-4042 models are: NSBox-4042 | NSBox-4042H | NSBox-4042R | NSBox-4042HR

NSBox-4042 PX10F34F	Access Node: NSB-3040F1 enclosure with Fan, without Heater, with ODF; 48VDC-150W Power supply; NIS-3500-3224PGE Switch: uplink 2 SFP/1G + 2 TP/1G, 4 ports TP/1G PoE 30W for IP cameras; Reboot PDs
NSBox-4042H PX10F34H	Access Node: NSB-3040H1F1 enclosure with Fan Heater; 48VDC-150W Power supply; NIS-3500-3224PGE Switch: uplink 2 SFP/1G + 2 TP/1G, 4 ports TP/1G PoE 30W for IP cameras; Reboot PDs
NSBox-4042R RX10F38F	Access Node: NSB-3838F1 enclosure with Fan, without Heater; UPS CR-48VDC-155VA with mounting kit for batteries 7Ah x4; NIS-3500-3224PGE Switch: uplink 2 SFP/1G + 2 TP/1G, 4 ports TP/1G PoE 30W
NSBox-4042HR RX10F38H	Access Node: NSB-3838H1F1 enclosure with Fan Heater; UPS CR-48VDC-155VA with mounting kit for batteries 7Ah x4; NIS-3500-3224PGE Switch: uplink 2 SFP/1G + 2 TP/1G, 4 ports TP/1G PoE 30W; Reboot PDs

Technical Data



Input Voltage Power consumption	: 100 - 240VAC 300 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)
Fiber Optic Distribution Frame (ODF)	: mounted with 4 FC adapters, pigtails, patch cords
Heater with thermostats (for H models)	: NSBon-18 option, Fan Heater
Uninterruptible Power Supply (for R models)	: CR-48VDC-155VA with mounting kit for batteries 7Ah x4
Hardware specification	Managed Industrial switch NIS-3500-3224PGE
4x 10/100/1000Base-T RJ45 PoE 30W	IEEE 802.3af / 802.3at (PD Alive Check), max 30W
2x 10/100/1000Base-T RJ45	Total PoE Budget 120W, PSE 30W/port
2x 100/1000M SFP slots (with DDM)	Switch Fabric 16Gbps, 8K MAC, Jumbo Frame 9Kb

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;

