

Outdoor access Nodes NSBox

NSBox-4082

Managed Industrial switch

✓ 8 ports PoE 30/60W ✓ 2 SFP/1G + 2 TP/1G ✓ PoE ports: 2x 60W + 6x 30W

The NSBox access Nodes are devised for deployment of protected outdoor video surveillance systems. The nodes provide troubleproof and correct operation of a group of video cameras connected to a node: reliable power, a reliable data transmission channel, a surge protection of any wired connections. There is ideal technological solution for time and money saving in any outdoor Video Surveillance projects for a large area: highways, bridges, traffic light poles, parking lots, police departments, airports, seaports, railways, sports facilities, hotels, parks, shopping malls, construction sites, etc. The basic equipment of the NSBox-4082 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 be included in assembly:

- Managed Industrial 8 ports PoE switch with Power Supply 55VDC-360W or UPS (4x 7Ah Batteries);
- Climatic control system inside enclosure: thermostats, heating element with fans, thermoelectric cooler;
- Fiber Optic Distribution Frame (ODF) for connecting optical fibers with FC adapters, pigtails, patch cords;
- Surge protection elements for Ethernet ports with PoE and 220VAC power circuits.

The basic NSBox-4082 models are: NSBox-4082 | NSBox-4082H | NSBox-4082R | NSBox-4082HR

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|--------------|---|
| NSBox-4082 | Access Node: NSB-3838F1 enclosure with Fan, without Heater; 55VDC-360W Power supply; Managed switch NIS-3500-3226PGE: Uplink 2 SFP/1G + 2 TP/1G, 8 ports TP/1G PoE (2x60W + 6x30W) for IP cameras; Reboot PD |
| NSBox-4082H | Access Node: NSB-3838H1F1 enclosure with Heater; 55VDC-360W Power supply; Managed switch NIS-3500-3226PGE: Uplink 2 SFP/1G + 2 TP/1G, 8 ports TP/1G PoE (2x 60W + 6x 30W) for IP cameras; Reboot PDs |
| NSBox-4082R | Access Node: NSB-3838F1 enclosure with Fan, without Heater; 48VDC-360VA UPS (4x 7Ah); Managed switch NIS-3500-3226PGE: Uplink 2 SFP/1G + 2 TP/1G, 8 ports TP/1G PoE (2x60W + 6x30W) for IP cameras; Reboot PD |
| NSBox-4082HR | Access Node: NSB-3838H1F1 enclosure with Heater; 48VDC-360VA UPS (4x 7Ah); Managed switch NIS-3500-3226PGE: Uplink 2 SFP/1G + 2 TP/1G, 8 ports TP/1G PoE (2x 60W + 6x 30W) for IP cameras; Reboot PDs |

Technical Data

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|--|---|
| Input Voltage Power Consumption | 220 - 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 ~ +60°C -50 ~ +60°C |
| Dimensions (without cable glands) | 380 x 380 x 210 mm |
| Shipping weight (approx.) | 12 kg or 20 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, Fan Heater for enclosure |
| Uninterruptible power supply (for R models) | NR-48VDC-360VA with Mounting kit 'Battery/ 7Ah' |
| Hardware specification | Managed Industrial switch NIS-3500-3226PGE |
| 8x 10/100/1000Base-T RJ45 PoE (2x 60W + 6x 30W) | IEEE 802.3at / 802.3af (PD Alive Check) |
| 2x 10/100/1000Base-T RJ45 | Total PoE Budget 240W, PSE 30W/port, max 60W |
| 2x 100/1000M SFP slots (with DDM) | Switch Fabric 24Gbps, 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; | |

