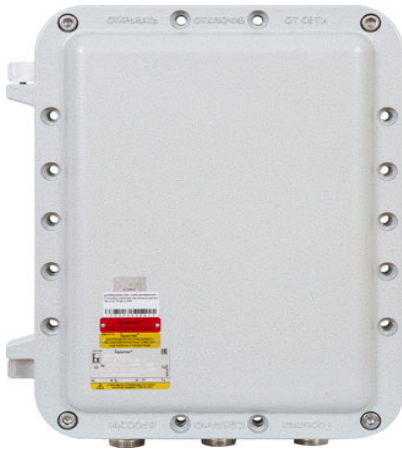


> Explosion-proof enclosures

> For harsh environments



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. The NSBox is a completed product for installation and operation in any climates.

Depending on the field of application and operating conditions, the NSBox access Nodes are mounted in a series of enclosures:

- NSB-xxx: Powder-coated sheet Steel, protection category IP66 / NEMA4;
- NSV-xxx: Stainless Steel (AISI 304), protection category IP66 / NEMA4;
- NSP-xxx: Glass Reinforced Polyester, protection category IP66 / NEMA4;
- NSE-xxx: Coated Aluminum alloy, protection category IP67;

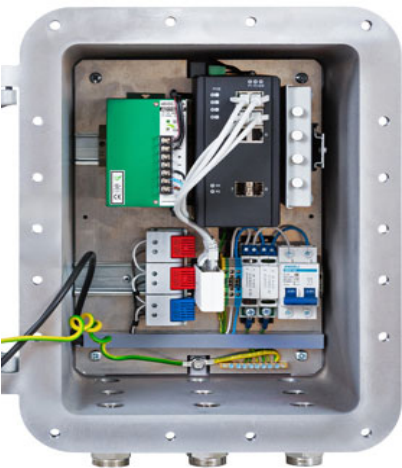
NSE-xxx series enclosures are made in explosion-proof design. The NSBox access Nodes assembled in such enclosures can be used for outdoor and indoor installation in hazardous areas.

The basic equipment of the NSBox-4042E 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. The following modules are also included in the package:

- Managed Industrial 4 ports PoE Switch with the Power Supply 48VDC-150W;
- Climatic control system inside cabinet: thermostats, heating element with fans;
- Fiber Optic Distribution Frame (ODF) with FC adapters, pigtails, patch cords;
- Surge protection elements for Ethernet ports with PoE and power circuits;

Technical Data

Input Voltage Power Consumption	: 220 - 240VAC 300 W (no more)
Enclosure material (cabinet, door)	: Coated aluminum alloy
Protection category Explosion protection	: IP67 1Ex d IIC T5 Gb X IP67
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)	: 425 x 325 x 297 mm
Shipping weight (approx.)	: 35 kg



Hardware specification	Industrial switch NIS-3500-3224PGE
4x 10/100/1000Base-T RJ45 PoE 30W	802.3at/802.3af (PoE auto detection)
2x 10/100/1000Base-T RJ45	Total PoE Budget 120W; Reboot PDs
2x 100/1000M SFP slots (with DDM)	Switch Fabric 24Gbps, 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;



Ordering Information

NSBox-4042E	Access Node: NSE-4232H1F1 enclosure with Heating; 48VDC-150W Power supply; Managed switch NIS-3500-3224PGE: Uplink 2 SFP/1G + 2 TP/1G, 4 ports TP/1G PoE 30W for IP cameras; Reboot PDs
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