

# Infrared IP Dome Camera 200 Series

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**ONVIF**

Advantage Line

The Bosch NDC-225-PI infrared IP dome camera is a ready-to-use, complete network video surveillance system inside a compact camera. This camera brings Bosch's high-performance technology into the realm of small office and retail businesses by offering a cost-effective solution for a broad range of applications.

The camera uses H.264 compression technology to give clear images while reducing bandwidth and storage by up to 30%. The built-in active infrared illuminator provides high performance in extreme low-light environments.

## Features

- ▶ Complete network video surveillance system
- ▶ High performance in extreme low-light
- ▶ Sharp images of moving objects
- ▶ Dual H.264 and M-JPEG streams simultaneously
- ▶ ONVIF conformant
- ▶ Storage inside camera

## Technical Specifications

| Power                                             |                                                                                                                                              |
|---------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| Input voltage                                     | +12 VDC or Power-over-Ethernet                                                                                                               |
| Power consumption                                 | 6.6 W (max)                                                                                                                                  |
| Video                                             |                                                                                                                                              |
| Sensor type                                       | ¼-inch CMOS                                                                                                                                  |
| Sensor pixels                                     | 640 x 480                                                                                                                                    |
| Sensitivity                                       | 1.0 lx (IR off)<br>0 lx (IR on)                                                                                                              |
| Video resolution                                  | VGA, QVGA                                                                                                                                    |
| Video compression                                 | H.264 MP (Main Profile); H.264 BP+ (Baseline Profile Plus); M-JPEG                                                                           |
| Max. frame rate                                   | 30 fps                                                                                                                                       |
| Night vision                                      |                                                                                                                                              |
| Distance                                          | 15 m (50 ft)                                                                                                                                 |
| LED                                               | 32 LED high efficiency array, 940 nm                                                                                                         |
| Lens                                              |                                                                                                                                              |
| Lens type                                         | Fixed 4 mm, F1.5                                                                                                                             |
| Lens mount                                        | Board mounted                                                                                                                                |
| Connection                                        |                                                                                                                                              |
| Analog video out                                  | 2.5 mm jack for installation only                                                                                                            |
| Alarm input                                       | Short or DC 5V activation                                                                                                                    |
| Relay out                                         | Input rating Maximum 1 A 24 VAC/VDC                                                                                                          |
| Audio                                             |                                                                                                                                              |
| Audio input                                       | Built-in microphone                                                                                                                          |
|                                                   | Line in jack connector                                                                                                                       |
| Audio output                                      | Line out jack connector                                                                                                                      |
| Audio communication                               | Two-way, full duplex                                                                                                                         |
| Audio compression                                 | G.711, L16 (live and recording)                                                                                                              |
| Local Storage                                     |                                                                                                                                              |
| Memory card slot                                  | Supports up to 32 GB microSD/SDHC card                                                                                                       |
| Recording                                         | Continuous recording, ring recording, alarm/events/schedule recording                                                                        |
| Software Control                                  |                                                                                                                                              |
| Unit configuration                                | Via web browser or PC surveillance software                                                                                                  |
| Network                                           |                                                                                                                                              |
| Protocols                                         | HTTP, HTTPS, SSL, TCP, UDP, ICMP, RTSP, RTP, Telnet, IGMPv2/v3, SMTP, SNMP, FTP, DHCP client, ARP, DNS, DDNS, NTP, SNMP, UPnP, 802.1x, iSCSI |
| Ethernet                                          | 10/100 Base-T, auto-sensing, half/full duplex, RJ45                                                                                          |
| PoE                                               | IEEE 802.3af compliant                                                                                                                       |
| Mechanical                                        |                                                                                                                                              |
| Dimensions                                        | Diameter: 135 mm (5.32 in)<br>Height: 102 mm (4 in)                                                                                          |
| Weight                                            | 566 g (1.25 lb) approx.                                                                                                                      |
| Environmental                                     |                                                                                                                                              |
| Operating temperature Camera                      | -10 °C to +45 °C (14 °F to +113 °F)                                                                                                          |
| Operating temperature Universal Power Supply Unit | 0 °C to +40 °C (+32 °F to +104 °F)                                                                                                           |
| Storage temperature                               | -20 °C to +70 °C (-4 °F to +158 °F)                                                                                                          |
| Humidity                                          | 10% to 80% relative humidity (non condensing)                                                                                                |

| Certifications and Approvals       |                                                   |
|------------------------------------|---------------------------------------------------|
| Region                             | Certification                                     |
| Europe                             | CE                                                |
| Standards                          |                                                   |
|                                    | EN 60950-1: 2006,<br>Reference IEC 60950-1:2005   |
|                                    | UL 60950-1:<br>1st edition dated October 31, 2007 |
|                                    | CAN/CSA-C22.2 NO. 60950-1-03                      |
|                                    | EN 50130-4:1995 + A1:1998 + A2:2003               |
|                                    | FCC Part15 Subpart B, Class B                     |
|                                    | EMC directive 2004/108/EC                         |
|                                    | EN 55022 class B                                  |
|                                    | EN 61000-3-2 :2006                                |
|                                    | EN 61000-3-3 : 1995+A1 :2001+A2 :2005             |
|                                    | EN 55024                                          |
|                                    | AS/NZS CISPR 22 (equal to CISPR 22)               |
|                                    | ICES-003 Class B                                  |
|                                    | EN 50121-4:2006                                   |
| Product certifications             | CE, FCC, UL, cUL, C-tick, CB, VCCI                |
| Power supply                       | CE, UL, cUL, PSE, CCC                             |
| Ordering Information               |                                                   |
| NDC-225-PI Infrared IP Dome Camera | NDC-225-PI                                        |

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