


**BOSCH**

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# NTC-255-PI D/N Infrared IP Bullet Camera



- ▶ **Progressive scan for sharp images of moving objects**
- ▶ **High performance active infrared illuminator inside the camera for extreme low-light environments**
- ▶ **Tri-streaming: Dual H.264 and M-JPEG simultaneously**
- ▶ **Robust IP66-rated camera design**
- ▶ **PC surveillance software supports multiple camera monitoring**
- ▶ **Power over Ethernet (IEEE 802.3af compliant)**
- ▶ **ONVIF conformant**

The Bosch NTC-255-PI infrared IP bullet camera is a ready-to-use, robust network 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 robust aluminum camera body is designed for outdoor surveillance or indoor areas where water ingress might occur. The built-in active infrared illuminator ensures effective vision under extreme low-light conditions.

The camera easily integrates with the Bosch Divar 700 Series recorder and can also be used with an iSCSI server connected via the network to store long-term recordings. The H.264 compression technology gives clear images while reducing bandwidth and storage by up to 30%.

## Functions

### Best-in-class image performance

The camera delivers the clearest images and most accurate colors within its class. Progressive scan ensures moving objects are always sharp.

### High performance infrared illuminator

The camera provides effective night vision in a zero lux environment by using a built-in active infrared illuminator. The illuminator activates automatically when the environment is dark, and no additional settings are required.

### Tri-streaming video

Tri-streaming allows a data stream to be encoded simultaneously according to different customized settings. Two types of streams can serve different purposes. For example, use H.264 stream for local recording and viewing, and the M-JPEG stream to provide compatibility with legacy DVRs.

### Weatherproof camera housing

The robust IP66-rated aluminum housing provides high installation flexibility. Whether indoor or outdoor mounted, the camera resists both water and dust ingress in all environment conditions.

### 16-channel PC surveillance software

The bundled PC surveillance software offers a user-friendly interface to support easy installation and configuration. A wizard allows the configuration of multiple cameras simultaneously using an auto detection device. Multiple cameras can be monitored in one screen and video clips can be archived, searched, and exported in a single application.

**ONVIF 1.0 compliant**

The latest Open Network Video Interface Forum (ONVIF) standard ensures compatibility with other surveillance products. This will contribute to a reduction in future upgrade or migration costs.

**Tamper and motion detection**

A wide range of configuration options is available for alarms signaling camera tampering. A built-in algorithm for detecting movement in the video can also be used for alarm signaling.

**Power-over-Ethernet**

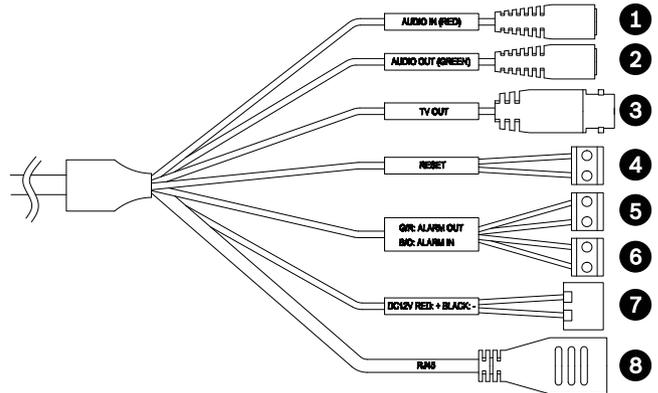
Power for the camera can be supplied via a Power-over-Ethernet (IEEE 802.3af) compliant network cable connection. With this configuration, only a single cable connection is required to view, power, and control the camera.

**Certifications and Approvals**

Safety	EU: EN 60950-1: 2006, Reference IEC 60950-1:2005
	US: UL 60950-1: 1st edition dated October 31, 2007
	Canada: CAN/CSA-C22.2 NO. 60950-1-03
EMC	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)
Product Certifications	ICES-003 Class B
	EN 50121-4:2006
Product Certifications	CE, FCC, UL, cUL, C-tick, CB, VCCI
Ingress protection	IP66

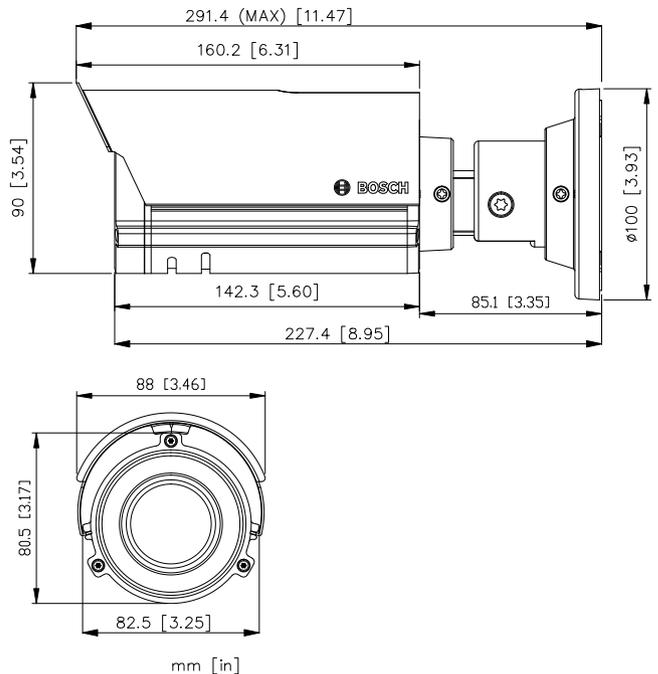
**Installation/Configuration Notes**

**Connections**



- 1 Audio In
- 2 Audio Out
- 3 Video Out
- 4 Reset (AWG 30)
- 5 Alarm Out (AWG 20)
- 6 Alarm In (AWG 30)
- 7 Power 12 VDC (AWG 22)
- 8 Ethernet RJ45 Network connector

**Dimensions**



## Parts Included

Quantity	Component
1	NTC-255-PI Infrared IP Bullet camera
1	Quick Installation Guide
1	Installation paper sticker
1	Torx screwdriver
1	CD ROM
1	Camera fixing screw kit

## Technical Specifications

### Power

Input voltage +12 VDC or Power-over-Ethernet

Power consumption 6.0 W (max)

### Video

Sensor type ¼-inch CMOS

Sensor pixels 640 x 480

Sensitivity 1.0 lx (IR off)  
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 25 m (82 ft)

LED 32 LED high efficiency array, 850 nm

### Lens

Lens type Varifocal 3.7 to 10 mm, DC Iris F1.4 to close, D/N switch

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 Line in jack connector

Audio output Line out jack connector

Audio communication Two-way, full duplex

Audio compression G.711, L16 (live and 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 (H x W x D) 100 x 100 x 291 mm  
(3.94 x 3.94 x 11.46 in)

Weight 1.55 kg (3.42 lb) approx.

## Environmental

Operating temperature Camera -20 °C to +55 °C (-4 °F to +131 °F)

Storage temperature -20 °C to +70 °C (-4 °F to +158 °F)

Humidity 10% to 80% relative humidity (non condensing)

## Ordering Information

**NTC-255-PI Infrared IP Bullet Camera**      **NTC-255-PI**  
Day/Night Infrared IP Bullet Camera including varifocal lens