

EX7-IP Series Vandal-Proof No-Grip Ceiling IP Camera

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Invented for life



- ▶ Intelligent Video Analysis (IVA)
- ▶ High Performance Video Encoder
- ▶ Precision Engineered Optics
- ▶ No-Grip Vandal Resistant Housing
- ▶ Installer-Friendly Design

The EX7-IP is a no-grip ceiling-mount camera which features a powerful processor for Bosch's Intelligent Video Analysis (IVA), performance optics and IP design for vandal resistant networked surveillance. The low-profile single-sensor camera's unique no-grip design is virtually impossible to grip or hang from, helping to prevent the camera from being forcibly removed. The EX7-IP features tri-stream video and MPEG-4 SP and MJPEG compression at 30 fps (full resolution), allowing seamless integration with existing IP network infrastructure in challenging applications such as correctional facilities.

System overview

Intelligent Video Analysis (IVA)

- On-board video content analysis monitors scene activity and flags user-defined events such as alarms (additional license required)

High Performance Video Encoder

- MPEG-4 and MJPEG compression at 30 fps, full resolution
- Tri-stream video for customizable viewing and storage resolution
- Supported by a wide range of VMS and NVR solutions

- Integrates seamlessly with IP network infrastructure and video analytics

Precision Engineered Optics

- Hi-res color or monochrome CCDs
- Mechanical filter technology for vivid daytime color and exceptional low light performance
- Varifocal, auto-iris 4-8mm lens, 9-22mm, or 5-50mm

No-Grip Vandal Resistant Housing

- No-Grip (suicide-safe) housing is virtually impossible to hang from or grip
- Promotes maximum safety by preventing the forcible removal of the camera
- Vandal resistant die-cast housing for excellent structural integrity and sleek low-profile finish
- Weather-sealed for performance in extreme environments

Installer-Friendly Design

- Conduit compatible for easy installation into electrical fittings
- Detachable camera platform for fast and easy CCD adjustments
- Pan/tilt/twist hand-adjustable gimbals require no tools for maximum ease of installation
- Video Patch Lead (VPL) for quick connection to Video Patch Connector (VPC) allows portable monitors to be used for setup and troubleshooting

IP-Enabled Connectivity

- The EX7-IP incorporates MPEG-4 and MJPEG compression up to 30 fps (full resolution) and tri-stream video features, both of which enable full compatibility with the world's most advanced surveillance networks

Technical specifications**Video**

Sensor	M4 day/night CCD with MFP technology	C7 Hi-resolution Color CCD
Resolution	540 TVL color / 540 TVL monochrome	500 TVL
Effective Pixels (HxV)	768 x 494 (NTSC)	768 x 494 (NTSC)
	752 x 582 (PAL)	752 x 582 (PAL)
Sensitivity	0.06 Lux with F1.4 lens	2.7 Lux at F1.4
S/N Ratio	Greater than 48dB	Greater than 48dB

Output Signal	1Vpp, 75 ohm
Gamma	0.45
Gain Control	AGC (with on/off switch)
Electronics Iris	1/60 to 1/100,000 (NTSC)
	1/50 to 1/100,000 (PAL)
Lens	4 to 9 mm, 9 to 22 mm or 5 to 50 mm IR corrected varifocal lenses

Interfaces

Ethernet	10/100 Base-T RJ45
Analog	PAL or NTSC BNC

IP

Protocols	Telnet, RTP, HTTP(S), ARP, TCP, UDP, IP, ICMP, DHCP, IGMPv2/v3, SNMP, 802.1x
Compression	MPEG-4 SP and MJPEG, up to 30 frames per second, tri-stream selectable
Frame Rate	1-30 FPS programmable (full motion)
Bandwidth	Configurable from 9.6 Kbps to 6 Mbps

Resolution and Frame Rates	PAL	NTSC
4CIF: 25/30 IPS	704 x 576	704 x 480
2CIF: 25/30 IPS	704 x 288	704 x 240
half D1: 25/30 IPS	352 x 576	352 x 480
CIF: 25/30 IPS	352 x 288	352 x 240
QCIF: 25/30 IPS	176 x 144	176 x 120

Electrical

Voltage	12-24 VAC (50/60 Hz), 12-24 VDC
Power Draw	9 W max.

Mechanical

Construction	Die-cast aluminum
Window	3/16 in. polycarbonate
Weight	1.2 kg (2.6 lbs)
Operational Range	-25°C to 60°C (-13°F to 140°F)
Overall Dimension	286 x 138 x 95 mm (11.3 x 5.4 x 3.7 in.)

Ordering information**NEC-070V04-21W Ceiling-Mounted No-Grip IP Camera**

IP ceiling camera, 1/3 in. hi-res color, 500 TVL, 4-9 mm lens, NTSC, white
Order number **NEC-070V04-21W**

NEC-70V04-11W Ceiling-Mounted No-Grip IP Camera

IP ceiling camera, 1/3 in. hi-res color, 500 TVL, 4-9 mm lens, PAL, white
Order number **NEC-70V04-11W**

NEC-070V09-21W Ceiling-Mounted No-Grip IP Camera

IP ceiling camera, 1/3 in. hi-res color, 500 TVL, 9-22 mm lens, NTSC, white
Order number **NEC-070V09-21W**

NEC-070V09-11W Ceiling-Mounted No-Grip IP Camera

IP ceiling camera, 1/3 in. hi-res color, 500 TVL, 9-22 mm lens, PAL, white
Order number **NEC-070V09-11W**

NEC-070V05-21W Ceiling-Mounted No-Grip IP Camera

IP ceiling camera, 1/3 in. hi-res color, 500 TVL, 5-50 mm lens, NTSC, white
Order number **NEC-070V05-21W**

NEC-070V05-11W Ceiling-Mounted No-Grip IP Camera

IP ceiling camera, 1/3 in. hi-res color, 500 TVL, 5-50 mm lens, PAL, white
Order number **NEC-070V05-11W**

NEN-070V04-21W Ceiling-Mounted No-Grip IP Camera

IP ceiling camera, 1/3 in. hi-res day/night, 540/540 TVL, 4-9 mm lens, NTSC, white
Order number **NEN-070V04-21W**

NEN-070V04-11W Ceiling-Mounted No-Grip IP Camera

IP ceiling camera, 1/3 in. hi-res day/night, 540/540 TVL, 4-9 mm lens, PAL, white
Order number **NEN-070V04-11W**

NEN-070V09-21W Ceiling Mounted No-Grip IP Camera

IP ceiling camera, 1/3 in. hi-res day/night, 540/540 TVL, 9-22 mm lens, NTSC, white
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IP ceiling camera, 1/3 in. hi-res day/night,
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NEN-070V05-21W Ceiling-Mounted No-Grip IP Camera

IP ceiling camera, 1/3 in. hi-res day/night,
540/540 TVL, 5-50 mm lens, NTSC, white
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NEN-070V05-11W Ceiling Mounted No-Grip IP Camera

IP ceiling camera, 1/3 in. hi-res day/night,
540/540 TVL, 5-50 mm lens, PAL, white
Order number **NEN-070V05-11W**

Accessories

EXPS.008 VAC Power Supply

Power supply 120 VAC/ 24 VAC 1500 mA
Order number **EXPS.008**

PSU-230-24 Power Supply

Power Supply, 230 VAC / 24 VAC, 50 W
Order number **PSU-230-24**

Software Options

NEA-IP200B-FS3

Extreme-Series IVA 3.0 VCA software license
Order number **NEA-IP200B-FS3**

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