


BOSCH

Invented for life

EX7-IP Ceiling-Mounted No-Grip IP Camera



- ▶ **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

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 C7 Hi-resolution Color CCD MFP technology	
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
Signal Processing	Digital Signal Processing (DSP)	
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 9mm, 9 to 22mm or 5 to 50mm 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 VDC / 24 VAC
Power Draw	190 to 250 mA at 12 VDC

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	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	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	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	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	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	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	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	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	NEN-070V09-21W
NEN-070V09-11W Ceiling Mounted No-Grip IP Camera IP ceiling camera, 1/3 in. hi-res day/night, 540/540 TVL, 9-22 mm lens, PAL, white	NEN-070V09-11W
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	NEN-070V05-21W

Ordering Information

NEN-070V05-11W Ceiling Mounted No-Grip IP Camera **NEN-070V05-11W**

IP ceiling camera, 1/3 in. hi-res day/night, 540/540 TVL, 5-50 mm lens, PAL, white

Accessories

EXPS.008 VAC Power Supply **EXPS.008**

Power supply 120 VAC / 24 VAC 1500 mA

PSU-230-24 Power Supply **PSU230-24**

Power Supply, 230 VAC / 24 VAC, 50 W

Software Options

NEA-IP200B-FS3 **NEA-IP200B-FS3**

Extreme-Series IVA 3.0 VCA software license

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