

FLEXIDOME AN corner 9000

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Invented for life



- ▶ Corner-mount, no-grip design for maximum safety
- ▶ Ultra high resolution 960H sensor
- ▶ Views an entire small room, including directly beneath
- ▶ 940 nm illuminator for covert night vision to 9 m (30 ft)
- ▶ IP65 water resistance

The FLEXIDOME corner 9000 IR is a vandal-resistant, corner-mount camera featuring a no-grip, anchor-free design. This water-resistant dome camera uses a high performance 960H 1/3-inch CCD sensor with a resolution of 720TVL. The sensor, the integrated infrared illumination, and the advanced image processing technology combine to allow 24/7 effective professional surveillance in high risk, vandal-prone applications under any ambient lighting conditions, even completely dark rooms.

The ultra-wide lens enables the camera to view the entirety of a small room, including the floor beneath the camera. The camera is impossible to grip or hang from, providing maximum safety for applications such as waiting rooms, elevators and psychiatric care rooms.

System overview

Corner-mount, vandal-resistant design

The innovative design allows a perfectly flush fit into the corner of a room that protects against even the most brutal attempt to destroy, detach or disable the camera. The sharp 45° angle hides all wiring and delivers complete coverage of a 4.5 x 4.5 m

(15 x 15 ft) room, including below the camera itself. The camera has no anchor points for maximum safety in environments with at-risk individuals.

Infrared illumination

The camera harnesses the power of infrared illumination to deliver outstanding images day or night. Infrared-emitting LEDs achieve covert, effective night vision for the most advanced level of night vision performance available today. With the intensity-adjustable infrared LEDs, foreground hotspots and underexposed backgrounds are eliminated.

True day/night switching

The camera incorporates mechanical filter technology for vivid daytime color and exceptional night-time imaging under infrared illumination while maintaining sharp focus under all lighting conditions. The camera also features outstanding spectral response in the near infrared field for excellent active-infrared night vision.

Ease of installation

No focus or pan/tilt adjustments are required as the camera, with its wide angle lens, provides complete coverage of a 4.5 x 4.5 m (15 x 15 ft) room. The camera can be supplied with power from either +12 VDC or 24 VAC power supplies.

Six independent, pre-programmed operating modes support typical applications, but are fully programmable for individual situations. Switching between modes is easy via Bilinx or the external alarm input.

Several other features are available that make installation easy:

- Video BNC and power connectors on flying leads.
- A built-in test pattern generator produces signals to test and fault-find cables.
- A built-in OSD control panel allows on-site adjustment of camera settings.
- A multi-language On-Screen Display (OSD).

Bilinx technology

Bilinx is a bidirectional communication capability embedded in the video signal of this camera. Installers can check status, change camera settings and even update firmware from virtually anywhere along the video cable. Bilinx reduces service and installation time, provides for more accurate set-up and adjustment, and improves overall performance. In addition, Bilinx uses the standard video cable to transmit alarm and status messages, providing superior performance without additional installation steps.

Ideal picture performance

There are many settings available to help fine-tune the picture performance to match your installation environment. These include:

- Smart BLC – automatically and dynamically compensates for strong backlight
- Peak White Invert – reduces glare from highlight areas
- Contrast and sharpness – enhance details in bright or misty scenes
- SensUp – sensitivity is dramatically enhanced by a factor of 10
- Default shutter – improves the motion performance in auto exposure mode
- Dynamic noise reduction – dynamically reduces noise in the picture

Privacy masking

Fifteen different privacy zones allow specific parts of a scene to be blocked. Pre-program any part of the scene to be masked.

Video Motion Detection

The built-in video motion detector allows you to select four programmable areas with sensitivity thresholds. When motion is detected, alarms can be displayed in the video signal, the output relay can be closed or an alarm message can be transmitted via Bilinx.

Typical applications

- Waiting rooms
- Hospital recovery rooms
- Psychiatric care rooms
- Vandal-prone areas

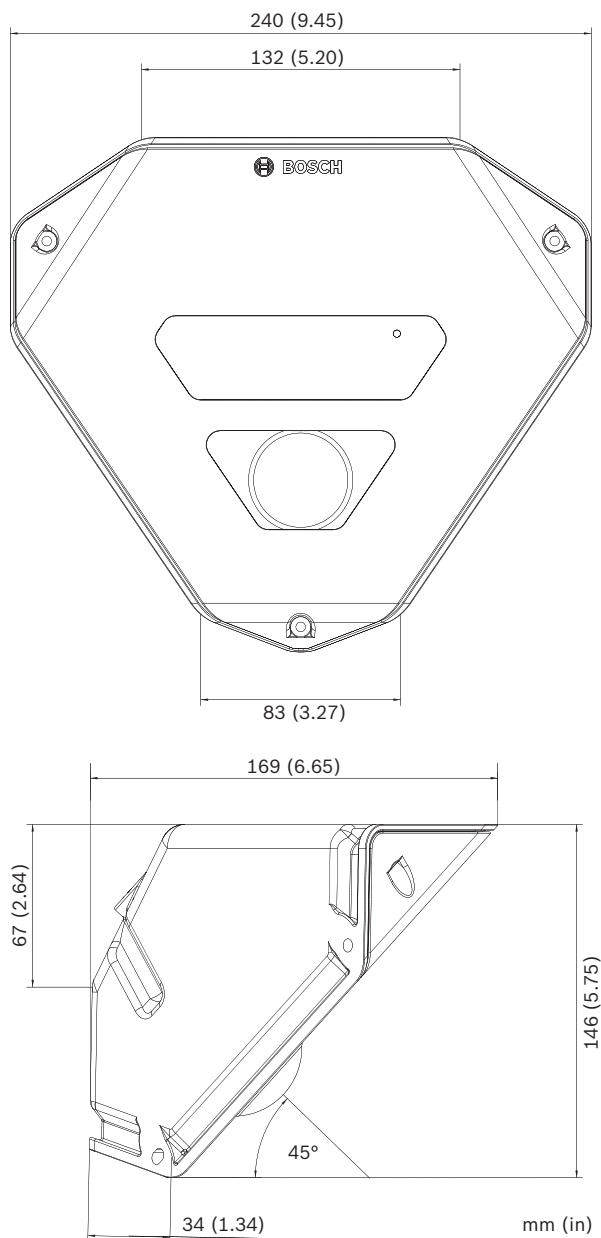
Certifications and approvals

Standards	IEC 62471
	EN 60950-1
	UL 60950-1
	CAN/CSA-C22.2 NO. 60950-1
	EN 50130-4
	EN 50130-5
	FCC Part15 Subpart B, Class B
	EMC directive 2004/108/EC
	EN 55022/24 class B
	VCCI J55022 V2 / V3
	AS/NZS CISPR 22 (equal to CISPR 22)
	ICES-003 class B
	EN 50121-4
Product certifications	CE, FCC, UL, cUL, C-tick, CB, VCCI
Ingress protection	IP65
Impact protection	IK10

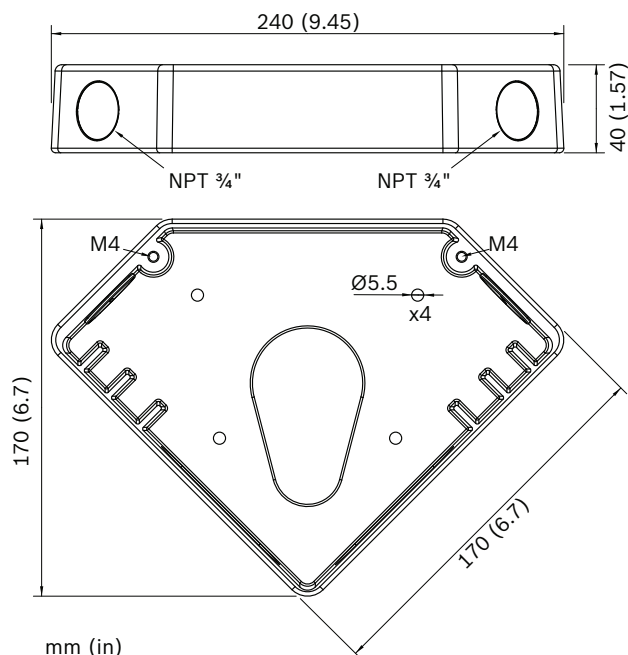
Region	Certification
Europe	CE
USA	UL

Installation/configuration notes

Dimensions



Corner mount box dimensions



Technical specifications

Electrical

Input voltage	+12 VDC or 24 VAC
Power consumption	6.48 W max. (12 VDC) 12.24 VA max. (+24 VAC)
Image Sensor	960H, 1/3" CCD, sensor resolution 720TVL, WDR dual shutter
System	PAL or NTSC
Total pixels (H x V)	1028 x 596 (PAL) 1028 x 508 (NTSC)
Effective pixels (H x V)	976 x 582 (PAL) 976 x 494 (NTSC)

Sensitivity (3200K, scene reflectivity 89%, F1.2)"

	Full video (100 IRE)	Usable picture (50 IRE)	Usable picture (30 IRE)
Color	0.5 lx (0.0465 fc)	0.09 lx (0.0837 fc)	0.04 lx (0.00372 fc)
Color + SensUp 10x	0.05 lx (0.00465 fc)	0.009 lx (0.000837 fc)	0.004 lx (0.000372 fc)
Monochrome	0.2 lx (0.0186 fc)	0.04 lx (0.00372 fc)	0.02 lx (0.00186 fc)
Monochrome SensUp 10x	0.02 lx (0.00186 fc)	0.004 lx (0.000372 fc)	0.002 lx (0.000186 fc)
Monochrome + IR on	0.0 lx	0.0 lx	0.0 lx

Signal-to-Noise Ratio	>50 dB
Video Output	Composite video 1 Vpp, 75 ohm
Synchronization	Internal, Line Lock
Shutter	Auto (1/50 [1/60] to 1/100000) selectable, fixed, flickerless, default
Sensitivity Up	Adjustable from Off up to 10x
True Day/Night	Color, Mono, Auto
Dynamic Engine	XF-Dynamic, HDR, Smart BLC
Dynamic Range	94 dB (WDR)
Dynamic Noise Reduction	2D-NR, 3D-NR
AGC	AGC On or Off (0 – 40 dB) selectable
Smart BLC	On/Off
Peak White Invert	On/Off
White Balance	ATW Indoor, ATW Outdoor, ATW hold and Manual
Contrast Enhancement	Low, Medium, High
Sharpness	Sharpness enhancement level selectable
Camera ID	17 character editable string, position selectable
Test Pattern Generator	Color bar, Raster, Impulse, Cross Impulse, Cross hatch,
Modes	6 preset programmable modes
Remote Control	Bilinx coaxial bi-directional communication
Video Motion Detection	4 areas, fully programmable
Privacy Masking	15 independent areas, fully programmable
E-Zoom	Up to 16x
Digital Image Stabilizer	On/Off
OSD Language	English, French, German, Spanish, Portuguese, Simplified Chinese, Russian

Night vision

IR LEDs	3 high efficiency LEDs, 940 nm
IR coverage	9 m (30 ft)

Lens

Lens type	Fixed 2.0 mm, F2.0
Lens mount	Board mounted
Horizontal field of view	139°
Vertical field of view	104°

Connection

Analog video out	BNC connector (1 Vpp 75 Ohm CVBS, PAL/NTSC)
Alarm input	0 to 3.3 VDC, low active or high active
Alarm output	60 VDC or 60 VAC (max), load current: 1 A (max)

Mechanical

Dimensions (W x H x D)	240 x 146 x 169 mm (9.45 x 5.75 x 6.65 in.)
Weight	1840 g (4.06 lb) approx.

Environmental

Operating temperature	-10 °C to +50 °C (14 °F to +122 °F)
Storage temperature	-30 °C to +60 °C (-22 °F to +140 °F)
Humidity	20% to 90% relative humidity (non condensing)

Ordering information

FLEXIDOME AN corner 9000

960H integrated infrared analog corner-mount camera. No-grip; IP65; IK10; 12VDC/24VAC; true WDR; fixed 2 mm lens; true day/night; 720 TVL; 4-zone motion detect; privacy mask; PAL
Order number **VCN-9095-F111**

FLEXIDOME AN corner 9000

960H integrated infrared analog corner-mount camera. No-grip; IP65; IK10; 12VDC/24VAC; true WDR; fixed 2 mm lens; true day/night; 720 TVL; 4-zone motion detect; privacy mask; NTSC
Order number **VCN-9095-F121**

Accessories

S1460 Service/Monitor Cable

2.5 mm jack to BNC video connector cable. 1 m
Order number **S1460**

UPA-2420-50 Power Supply

Power supply for cameras. 220 VAC, 50 Hz In; 24 VAC, 20 VA Out
Order number **UPA-2420-50**

UPA-2430-60 Power Supply

Power supply for camera. 120 VAC, 60 Hz; 24 VAC, 30 VA Out
Order number **UPA-2430-60**

NCA-CMT-GF FLEXIDOME corner 9000 Grey faceplate

Gray faceplate (RAL 9006) with LED window and transparent bubble
Order number **NCA-CMT-GF**

NDA-SMB-CMT Corner mount box

Corner mount surface mount box. Aluminum; white
Order number **NDA-SMB-CMT**

Software Options

VP-CFGSFT Configuration Software

Configuration software for cameras using Bilinx. VP-USB adaptor

Order number **VP-CFGSFT**

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