BOSCH

Invented for life

EX49N Series Conical No-Grip Dome Camera

▶ **Ultra-vandal resistant construction**

▶ **Conical No-Grip design impossible to grip or hang from, ideal for use in prisons and hospitals**

▶ **Virtually zero focus shift from color to IR modes**

▶ **12 m (40 ft) of evenly-distributed night vision**

▶ **Weather-sealed for performance in -40ºC to +60ºC (-40ºF to +140ºF)**

The EX49N Conical No-Grip (CNG) domes are designed to be virtually impossible to grip or hang from. In high-risk areas, such as hospitals or prisons, the Integrated Day-Night cameras help prevent at-risk persons from self-inflicted harm. The CNG is ultra vandal-resistant and engineered for reliability and 24/7 night vision performance to 12 m (40 ft).

Using a dual window IR-Cut and IR-Pass filter, the EX49N camera delivers brilliant color during day and sensitivity to infrared at night. Both ensure virtually zero focus shift between color and infrared modes, allowing sharp focus under all lighting conditions. The EX49N produces video signal characterized by low-smear, low-streak and excellent anti-blooming characteristics for effective active-infrared night vision.

The EX49N features base construction of CNC machined anodized aluminum. Anodized aluminum is an incredibly durable material with high corrosion resistance and heat-resistant to over 649°C (1200ºF). Unlike other finishes, anodized aluminum has astounding chemical stability and will resist changes to color or appearance, even under heavy exposure to ultraviolet rays. The one-piece CNC fabrication process ensures the highest degree of precision and unyielding mechanical strength.

A polycarbonate dome of 3 mm thickness is utilized to protect internal camera components. Resistant to impact, fire, heat & UV, the polycarbonate dome is guaranteed unbreakable in the face of even the most vicious attacks. The weather-sealed EX49N is specified for performance in temperatures ranging from -40ºC to +60ºC (-40ºF to +140ºF).

Functions

Applications

* Night-time surveillance
* Zero-Lux environments
* Retail, schools, hospitals
* Commercial sites
* Hotels and gated communities
* Transportation hubs
* Restaurants / bars
* Retail establishments
* Industrial parks
* Banks
* Prisons and correctional facilities
* Hospitals
* Casinos
* Corporate campuses
* Schools, colleges and universities
* Vandal-prone locations

www.boschsecurity.com

Technical Specifications

CCD	MX4 extended day/night CCD
Effective Pixels NTSC	768 (H) x 494 (V)
Effective Pixels PAL	752 (H) x 582 (V)
Resolution	540 TVL color / 540 TVL mono
Daytime Sensitivity	0.02 Lux with F1.4 lens
Night-time Sensitivity	0.0 Lux, works in total darkness
S/N Ratio	Greater than 48 dB
Electronic Shutter	Up to 1/100,000 s
Gamma	0.45
Video Output	1 Vp-p, 75 Ohm
Voltage Regulation	Dual VRB design for enhanced electronic stability
Voltage Supply	12 to 24 AC/DC
Power Consumption	540 mA at 12 VDC, 6.5 W (max)
Operational Range	-40°C to +60°C (-40°F to +140°F)
Humidity Range	Up to 85% relative humidity
Base Construction	CNC Anodized Aluminum
Overall Dimensions	118 mm (4.6 in) Diameter / 93.5 mm (3.68 in) H
Dome Construction	4 in. Semi-Spherical Polycarbonate
Dome Thickness	3 mm (1/8 in)
Gimbal	Pan-Tilt-Twist for easy installation
Day-Night Switching	Photocell-controlled, automatic
LEDs	High-efficiency, spatially optimized, 850 nm or 940 nm
Number of LEDs	18
Weight	0.7 kg (1.5 lbs)

Ordering Information

EX49MNX803bc-n Conical No-Grip Dome Camera
Extreme dome, extended day/night, 540 TVL, 2.9 mm lens, 850 nm IR, clear dome, black, NTSC
EX49MNX803bc-n

EX49MNX803bc-p Conical No-Grip Dome Camera
Extreme dome, extended day/night, 540 TVL, 2.9 mm lens, 850 nm IR, clear dome, black, PAL
EX49MNX803bc-p

EX49MNX803bh-n Conical No-Grip Dome Camera
Extreme dome, extended day/night, 540 TVL, 2.9 mm lens, 850 nm IR, tint dome, black, NTSC
EX49MNX803bh-n

EX49MNX803bh-p Conical No-Grip Dome Camera
Extreme dome, extended day/night, 540 TVL, 2.9 mm lens, 850 nm IR, tint dome, black, PAL
EX49MNX803bh-p

Ordering Information

EX49MNX903bc-n Conical No-Grip Dome Camera
Extreme dome, extended day/night, 540 TVL, 2.9 mm lens, 940 nm IR, clear dome, black, NTSC
EX49MNX903bc-n

EX49MNX903bc-p Conical No-Grip Dome Camera
Extreme dome, extended day/night, 540 TVL, 2.9 mm lens, 940 nm IR, clear dome, black, PAL
EX49MNX903bc-p

EX49MNX903bh-n Conical No-Grip Dome Camera
Extreme dome, extended day/night, 540 TVL, 2.9 mm lens, 940 nm IR, tint dome, black, NTSC
EX49MNX903bh-n

EX49MNX903bh-p Conical No-Grip Dome Camera
Extreme dome, extended day/night, 540 TVL, 2.9 mm lens, 940 nm IR, tint dome, black, PAL
EX49MNX903bh-p

EX49MNX806bc-n Conical No-Grip Dome Camera
Extreme dome, extended day/night, 540 TVL, 6 mm lens, 850 nm IR, clear dome, black, NTSC
EX49MNX806bc-n

EX49MNX806bc-p Conical No-Grip Dome Camera
Extreme dome, extended day/night, 540 TVL, 6 mm lens, 850 nm IR, clear dome, black, PAL
EX49MNX806bc-p

EX49MNX806bh-n Conical No-Grip Dome Camera
Extreme dome, extended day/night, 540 TVL, 6 mm lens, 850 nm IR, tint dome, black, NTSC
EX49MNX806bh-n

EX49MNX806bh-p Conical No-Grip Dome Camera
Extreme dome, extended day/night, 540 TVL, 6 mm lens, 850 nm IR, tint dome, black, PAL
EX49MNX806bh-p

EX49MNX906bc-n Conical No-Grip Dome Camera
Extreme dome, extended day/night, 540 TVL, 6 mm lens, 940 nm IR, clear dome, black, NTSC
EX49MNX906bc-n

EX49MNX906bc-p Conical No-Grip Dome Camera
Extreme dome, extended day/night, 540 TVL, 6 mm lens, 940 nm IR, clear dome, black, PAL
EX49MNX906bc-p

EX49MNX906bh-n Conical No-Grip Dome Camera
Extreme dome, extended day/night, 540 TVL, 6 mm lens, 940 nm IR, tint dome, black, NTSC
EX49MNX906bh-n

EX49MNX906bh-p Conical No-Grip Dome Camera
Extreme dome, extended day/night, 540 TVL, 6 mm lens, 940 nm IR, tint dome, black, PAL
EX49MNX906bh-p

Ordering Information

Accessories

EXPS.008 VAC Power Supply Power supply 120 VAC/ 24 VAC 1500 mA	**EXPS.008**
EX-VPC Video Patch Connector Video patch connector for EX40 and EX49	**EX-VPC**
EX-Dome-c Clear replacement dome for EX40/49	**EX-Dome-c**
EX-Dome-h Half-tint replacement dome for EX40/49	**EX-Dome-h**
PSU230-24-100W VAC Power Supply Power Supply, 230 VAC / 24 VAC, 100 W	**PSU230-24-100W**

Americas:
Bosch Security Systems, Inc.
130 Perinton Parkway
Fairport, New York, 14450, USA
Phone: +1 800 289 0096
Fax: +1 585 223 9180
security.sales@us.bosch.com
www.boschsecurity.us

Europe, Middle East, Africa:
Bosch Security Systems B.V.
P.O. Box 80002
5600 JB Eindhoven, The Netherlands
Phone: + 31 40 2577 284
Fax: +31 40 2577 330
emea.securitysystems@bosch.com
www.boschsecurity.com

Asia-Pacific:
Bosch Security Systems Pte Ltd
38C Jalan Pemimpin
Singapore 577180
Phone: +65 6319 3450
Fax: +65 6319 3499
apr.securitysystems@bosch.com
www.boschsecurity.com

Represented by