


BOSCH

Invented for life

EX49 Ultra Vandal-Proof Dome



- ▶ **Ultra-vandal resistant construction**
- ▶ **Conical No-Grip design impossible to grip or hang from, ideal for use in prisons and hospitals**
- ▶ **Weather-sealed for performance in -50°C to +60°C (-58°F to +140°F)**
- ▶ **UL/CSA certified**
- ▶ **2.8-10 mm varifocal auto-iris lens**

The EX49 Conical No-Grip dome is designed to be virtually impossible to grip or hang from. In high-risk areas, such as hospitals or prisons, the camera helps to prevent at-risk persons from self-inflicted harm. The CNG is totally vandal-resistant and engineered for reliability and performance.

The dome is packed with installer-friendly features, including Video Patch Leads (VPL) for “in-situ” video review on portable test monitors. The proprietary Pan-Tilt-Twist gimbal allows versatile positioning of the CCD and lens and instant centering of the video image. Internal fastening hardware is thermally and mechanically optimized for enhanced reliability.

The EX49 features base construction of CNC machined anodized aluminum, an incredibly durable material with high corrosion resistance and heat-resistant. Unlike other finishes, anodized aluminum has astounding chemical stability and will resist changes to color or appearance, even under heavy exposure to ultraviolet rays.

A polycarbonate dome of 3 mm thickness is utilized to protect the internal camera components. Resistant to impact, fire, heat and UV, the polycarbonate dome is guaranteed unbreakable in the face of even the most vicious attacks by vandals. The weather-sealed EX49 is specified for performance in temperatures ranging from -50°C to +60°C (-58°F to +140°F) and certified for safe, legal installs.

Functions

Applications

- 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

Certifications and Approvals

CSA Type 4X	Outdoor Weather Rating
CSA C22.2 No 0-M1991	General Electrical Requirements, Part II
CSA C22.2 No 1-M94	Audio, Video, and Similar Equipment
CSA C22.2 No 94-M91	Special Purpose Enclosures
UL Std No 50	Enclosures for Electrical Equipment
UL Std No 2044	Commercial CCTV Equipment
FCC Class B	Applicable Health Care Facility Requirements

Technical Specifications

Image Sensor	MX4 Hi-Resolution Extended Day/ Night CCD
Resolution	540TVL color / 540TVL monochrome
Effective Pixels (NTSC)	768 x 494 (HxV)
Effective Pixels (PAL)	752 x 582 (HxV)
Sensitivity	0.02 Lux with F1.4 lens
S/N Ratio	Greater than 48 dB (AGC off)
Signal Processing	Digital Signal Processing (DSP)
Output Signal	1 Vp-p, 75 Ohm
Gamma	0.45
BLC	On / Off selectable
Gain Control	AGC automatic
Electronics Iris	1/60 to 1/100,000 (NTSC) • 1/50 to 1/100,000 (PAL)
Filter	Dual-window mechanical type
Gimbal	Pan-Tilt-Twist for easy installation
Voltage	12 to 24 AC/DC
Power Draw	220 mA at 12 VDC, 2.6 W (max)
Dome Construction	Polycarbonate dome, 3 mm thick
Base Construction	CNC Anodized Aluminum
Weight	1.45 kg (3.26 lbs)
Operational Range	-50°C to +60°C (-58°F to 140°F)
Overall Dimension (DiameterxH)	176 mm x 92 mm (6.94 x 3.59 in)

Ordering Information

EX49C7V0310bh-p Ultra Vandal-Proof Dome **EX49C7V0310bh-p**

Extreme dome, extended day/night, 500 TVL,
2.8-10 mm lens, tint dome, black, PAL

EX49C7V0310bh-n Ultra Vandal-Proof Dome **EX49C7V0310bh-n**

Extreme dome, extended day/night, 500 TVL,
2.8-10 mm lens, tint dome, black, NTSC

EX49C7V0310bc-p Ultra Vandal-Proof Dome **EX49C7V0310bc-p**

Extreme dome, extended day/night, 500 TVL,
2.8-10 mm lens, clear dome, black, PAL

EX49C7V0310bc-n Ultra Vandal-Proof Dome **EX49C7V0310bc-n**

Extreme dome, extended day/night, 500 TVL,
2.8-10 mm lens, clear dome, black, NTSC

EX49MX4V0310bh-p Ultra Vandal-Proof Dome **EX49MX4V0310bh-p**

Extreme dome, extended day/night, 540 TVL,
2.8-10 mm lens, tint dome, black, PAL

Ordering Information

EX49MX4V0310bh-n Ultra Vandal-Proof Dome **EX49MX4V0310bh-n**

Extreme dome, extended day/night, 540 TVL,
2.8-10 mm lens, tint dome, black, NTSC

EX49MX4V0310bc-p Ultra Vandal-Proof Dome **EX49MX4V0310bc-p**

Extreme dome, extended day/night, 540 TVL,
2.8-10 mm lens, clear dome, black, PAL

EX49MX4V0310bc-n Ultra Vandal-Proof Dome **EX49MX4V0310bc-n**

Extreme dome, extended day/night, 540 TVL,
2.8-10 mm lens, clear dome, black, NTSC

Accessories

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

Power supply 120 VAC / 24 VAC 1500 mA

EX-VPC Video Patch Connector **EX-VPC**

Video patch connector for EX40 and EX49

EX-Dome-c **EX-Dome-c**

Clear replacement dome for EX40/49

EX-Dome-h **EX-Dome-h**

Half-tint replacement dome for EX40/49

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

Power Supply, 230 VAC / 24 VAC, 50 W

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