


BOSCH

Invented for life

EX40 Series Ultra Vandal-Proof Dome



- ▶ **Ultra vandal-resistant construction**
- ▶ **Conduit compatible for easy installation**
- ▶ **Weather-sealed for performance in -40°C to +60°C (-40°F to +140°F)**
- ▶ **2.8-10 mm varifocal auto-iris lens**
- ▶ **Pan-Tilt-Twist gimbals for ease of installation**

The EX40 is an ultra vandal-resistant fixed dome camera with full-sized housing, high-performance 1/3 in. CCD sensors and varifocal, auto-iris lenses for excellent CCTV surveillance in a wide variety of applications.

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. EX40 domes are conduit compatible for easy installation onto standard electrical fittings. Varifocal, auto-iris lenses ensure excellent optical performance.

The EX40 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 3mm 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 EX40 is specified for performance in temperatures ranging from -40°C to +60°C (-40°F to +140°F).

Functions

Applications

- Night-time surveillance
- Zero-lux environments
- Commercial sites
- Hotels and casinos
- Transportation hubs
- Restaurants / bars
- Industrial parks
- Banks
- Prisons and correctional facilities
- Schools, colleges and universities
- Vandal-prone locations

Technical Specifications

Image Sensor	MX4 Hi-Resolution Day/ Night CCD	C7 High Resolution Col- or
Resolution	540 TVL color / 540 TVL mono	500 TVL
Effective Pixels NTSC	768(H) x 494(V)	768 (H) x 494 (V)
Effective Pixels PAL	752(H) x 582(V)	752 (H) x 582 (V)
Daytime Sensitivity	0.02 lux with F1.4 lens	2.7 lux at F1.4
Night-time Sensitivity	0 lux with infrared (B/W)	N/A
S/N Ratio	Greater than 48dB (AGC off)	Greater than 48dB

Output Signal	1Vp-p, 75 Ohm
Gamma	0.45
Gain Control	AGC (with on/off switch)
Electronics Iris	1/60 to 1/100000 (NTSC) / 1/50 to 1/100000 (PAL)
Gimbal	Pan-Tilt-Twist for easy installation
Voltage Supply	12 to 24 AC/DC
Power Draw	2.6 W max
Construction	Polycarbonate dome, semi-spherical, 3mm thick
Base Construction	CNC Anodized Aluminum
Weight	610 g (1.3 lbs)
Operational Range	-40°C to +60°C (-40°F to 140°F)
Humidity Range	Up to 85% relative humidity
Overall Dimension	118 mm (4.6 in) Diameter / 100 mm(3.92 in) H

Ordering Information

EX40C7V0310bh-p Ultra Vandal-Proof Dome Extreme dome, extended day/night, 500 TVL, 2.8-10 mm lens, tint dome, black, PAL	EX40C7V0310bh-p
EX40C7V0310bh-n Ultra Vandal-Proof Dome Extreme dome, extended day/night, 500 TVL, 2.8-10 mm lens, tint dome, black, NTSC	EX40C7V0310bh-n
EX40C7V0310bc-p Ultra Vandal-Proof Dome Extreme dome, extended day/night, 500 TVL, 2.8-10 mm lens, clear dome, black, PAL	EX40C7V0310bc-p
EX40C7V0310bc-n Ultra Vandal-Proof Dome Extreme dome, extended day/night, 500 TVL, 2.8-10 mm lens, clear dome, black, NTSC	EX40C7V0310bc-n
EX40MX4V0310bh-p Ultra Vandal-Proof Dome Extreme dome, extended day/night, 540 TVL, 2.8-10 mm lens, tint dome, black, PAL	EX40MX4V0310bh-p
EX40MX4V0310bh-n Ultra Vandal-Proof Dome Extreme dome, extended day/night, 540 TVL, 2.8-10 mm lens, tint dome, black, NTSC	EX40MX4V0310bh-n
EX40MX4V0310bc-p Ultra Vandal-Proof Dome Extreme dome, extended day/night, 540 TVL, 2.8-10 mm lens, clear dome, black, PAL	EX40MX4V0310bc-p

Ordering Information

EX40MX4V0310bc-n Ultra Vandal-Proof Dome Extreme dome, extended day/night, 540 TVL, 2.8-10 mm lens, tint dome, black, PAL	EX40MX4V0310bc-n
Accessories	
EXMB.045B Dome Pendant Bracket Dome Pendant Bracket, black	EXMB.045B
PSU-230-24 Power Supply Power Supply, 230 VAC / 24 VAC, 50 W	PSU230-24
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

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