

*Conical No-Grip Hi-Impact Dome*

**EX48 CNG™** Fixed Lens & IDN

**EX49 CNG™** Vari-focal Auto-Iris Lens

The **EX48 and EX49 CONICAL NO-GRIP** models are patent applied design for use wherever it is important that any object, animal or person must not be able to hang, perch or grip on the camera itself.

*It is considered to be an essential specification camera for use in hospitals or prisons where there is the possibility of suicide attempts and 24 hour surveillance monitoring is required.*

The attractive finish of the anodized EX48 and EX49 also makes this very rugged camera the choice for elegant hotels and public buildings.

The EX48 and EX49 Conical No-Grip Dome is hammer tough, weather tight, and power protected. The impact resistant EX48 and EX49 can be surface installed in minutes to all interior and exterior walls and ceilings.

- No-Grip Conical shape prevents hanging and promotes cleanliness
- Slick hi-tech anodized aluminium design
- Tough Polycarbonate Dome – Optically-Correct
- VRB Power Protected for 12 VDC or 24 VAC operation
- Mono / Colour / Quattro and X-Wave Models available
- EX48 – Fixed Lens and IDN Versions
- EX49 – Auto-Iris Vari-focal Options

The EX49 accommodates a new auto-iris DC-drive lens with variable focal lengths from 4 mm to 8 mm. The tiny full-feature lens fits perfectly inside the polycarbonate dome allowing XYZ axes rotation. Equipped with this auto-iris vari-focal lens, this toughened compact dome camera can rival high performance conventional full size cameras for the broad light dynamics of an outdoor scene but with the advantages “safety-first” vandal resistant design.



Above: The EX48 CONICAL NO-GRIP finishes to a slick look that is virtually impossible to grip with one or two hands.



Left: The EX48N IDN™ Night Vision camera integrates a monochrome camera with LED infrared at 850 nm or 940 nm.

**General Specifications (Other CCD Models available)**

Model	EX48C.304 (DSP Colour w/BLC)	EX48S.304 (Backlight)
TV System	NTSC (PAL optional)	EIA (CCIR optional)
Image Sensor	1/3" CCD Colour DSP Image Sensor	1/3" CCD Sony Image Sensor
Video Signal Output	1 V p-p, 75 ohm	1 V p-p, 75 ohm
CCD Effective Pixels	510 (H) x 492 (V) – NTSC	510 (H) x 492 (V)
Sync. System	Internal	Internal
Min. Illumination	3 lux @ F1.4 / 6 lux @ F2.0	0.05 lux @ F1.4 / 0.1 lux @ F2.0
Resolution	350 TV lines	480 TV Lines
S/N Ratio	>46 dB	>50 dB
Electronic Shutter	1/60 to 1/100,000 – NTSC	1/60 to 1/100,000 – NTSC
Gamma Correction	0.48	0.48
Backlight Compensation	Automatic	N/A
Gain Control	AGC	AGC
Operational Range	-40°C to +50°C (-40°F to 122°F)	N/A
Humidity Range	Up to 85% relative humidity	Up to 85% relative humidity
Power Supply	DC 12-24V DC or AC	DC 12-24V DC or AC
Power Draw	220 mA (Max.)	100 mA (Max.)
Lens (standard)	3.6mm, F2.0 wide angle lens	3.6mm, F1.8 wide angle lens
Lenses (Optional)	2.5 / 2.9 / 6.0 / 8.0 / 12 / 16 mm	2.5 / 2.9 / 6.0 / 8.0 / 12 / 16 mm
Dome	Polycarbonate	Polycarbonate
Base / Cover	CNC Anodized Aluminum	N/A
Dimensions	6.38" (162 mm) dia. / 3.16" (80 mm)H	6.38" (162 mm) dia. / 3.16" (80 mm) H
Weight	1.5 lbs (680 grams)	1.5 lbs
Line Lock / Gen Lock	Available	Available

**EX48 CNG™ MODELS:**
**EX48 – Fixed Lens - Standard Monochrome**

EX48S.3xx	Monochrome, Sony CCD 480 line w/ BLC, 12/24 VRB / micro-lens
EX48S.6xx	Monochrome, Sony CCD 600 line, 12/24 VRB / micro-lens

**EX48 – Fixed Lens - Standard Colour**

EX48C.3xx	Colour DSP, 1/3" CCD 350 line w/ BLC, 12/24 VRB / micro-lens
EX48C.7xx	Colour DSP, 1/3" CCD 480 line w/BLC, 12/24 VRB, / micro-lens

**EX48N - IDN™ NIGHT VISION MODELS:**

EX48N.83xx	Night Vision - Monochrome, Sony 1/3" CCD 420 line 12/24 VRB / micro-lens, 850 nm/ 24 LEDs
EX48N.93xx	Night Vision - Monochrome, 1/3" Sony CCD 420 line 12/24 VRB / micro-lens, 940 nm/ 24 LEDs

**EX49 CNG™ VARI-FOCAL MODELS:**
**Hi-Impact Dome Camera with Vari-focal Fixed Iris**

EX49S3-V408	Mono DSP Sony 1/3" CCD 420 line w/ BLC, Vari-focal Lens 4 - 8 mm
EX49C3-V408	Colour DSP Sony 1/3" CCD 350 line w/ BLC, Vari-focal Lens 4 - 8 mm

**Mono Hi-Impact Dome Camera with Vari-focal Auto-Iris**

EX49S3-VA408	Mono DSP Sony 1/3" CCD 420 line w/ BLC, Vari-focal AI Lens 4 - 8 mm
EX49S6-VA408	Mono DSP Sony 1/3" CCD 600 line, Vari-focal AI Lens 4 - 8 mm

**Colour Hi-Impact Dome Camera with Vari-focal Auto-Iris**

EX49C3-VA408	Colour DSP Sony 1/3" CCD 350 line w/ BLC, Vari-focal AI Lens 4 - 8 mm
EX49C7-VA408	Colour DSP Sony 1/3" CCD 480 line w/ BLC, Vari-focal AI Lens 4 - 8 mm

XX – Specifies lens provided at time of order

<b>02</b> - 2.5 mm	<b>04</b> - 3.6 mm	<b>08</b> - 8.0 mm	<b>16</b> - 16.0mm
<b>03</b> - 2.9 mm	<b>06</b> - 6.0 mm	<b>12</b> - 12.0 mm	