

Key Features

- High performance CCDs including LXR-type and Mechanical Filter CCDs
- Pan-Tilt-Twist™ Ring for maximum ease of installation
- VRB power protected for electrical stability
- Weather-sealed housing
- CSA / UL certified for safe, legal installations
- Hi-impact, vandal resistant design
- Anodised aluminum base for attractive finish and high resistance to harsh outdoor elements
- 1/8" thick polycarbonate dome for maximum protection
- Thermally and mechanically optimised fastening hardware for improved reliability and stability
- CNC milled for exceptional mechanical strength
- Operating temperature range from -58°F to +140°F

Product Description

The EX45 is a Hi-Impact, vandal-resistant fixed dome camera with high-performance 1/3" CCD sensors for excellent CCTV surveillance in a wide variety of applications.

The EX45 takes advantage of Extreme's latest imaging technology, including LXR-type CCDs and the innovative photocell-controlled Mechanical Filter cameras. The in-camera VRB cleans and conditions power to allow 12 VDC or 24 VAC operation while providing protection from surges, transient spikes and other electrical irregularities.

The dome is packed with installer-friendly features, including Video Patch Leads (VPL) for "in-situ" video review on a portable test monitor. The proprietary Pan-Tilt-Twist (PTT) gimbal allows versatile positioning of the CCD and lens and instant centering of the video image. Internal fastening hardware is thermally and mechanically optimised for enhanced reliability. All EX45 domes are conduit compatible for easy installation onto standard electrical fittings.

The EX45 features base construction of CNC machined anodised aluminum, the same material used to protect satellites from the severe environments of outer space. Anodised aluminum is an incredibly durable material with high corrosion resistance and heat-resistant to over 1,200° F. Unlike other finishes, anodised 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 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 EX45 is specified for performance in temperatures ranging from -50°C to +60°C (-58°F to +140°F) and certified for safe, legal installs.

Product Image



Applications

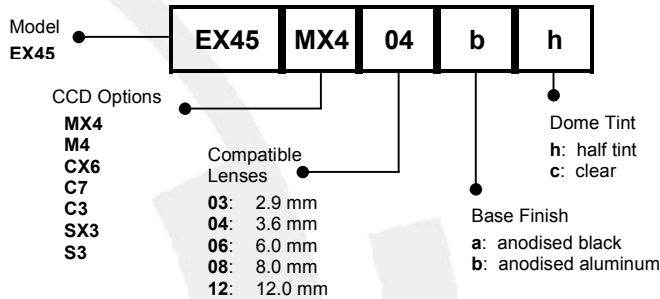
- Retail, schools, hospitals
- Commercial sites
- Hotels and gated communities
- Transportation hubs
- Restaurants / bars
- Retail establishments
- Industrial parks
- Banks
- Prisons and correctional facilities
- Hospitals
- Casinos
- Corporate campuses
- Schools, colleges and universities
- Vandal-prone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

Certifications / Compliance

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

General CCD Specifications (See specification tables for detailed camera specifications)

CCD	Description
MX4	Mechanical filter, photocell, enhanced infrared sensitivity, 1/3" LXR sensor, 450 TVL color, 570 TVL monochrome
M4	Mechanical filter, photocell, 1/3" SuperHAD sensor, 330 TVL color, 360 TVL monochrome
CX6	Enhanced infrared sensitivity, 1/3" LXR sensor, 480 TVL color
C7	1/3" SuperHAD sensor, 480 TVL color
C3	1/3" SuperHAD sensor, 380 TVL color
SX3	Enhanced infrared sensitivity, 1/3" LXR sensor, 600 TVL monochrome
S3	1/3" SuperHAD sensor, 600 TVL color

Part Numbers (Special Order Models available on request)

Optional Accessories

EXPS.001	Power Supply Unit
EXMB.047	Pendant Mount Bracket
VPC	Video Patch Connector (to connect local video out to test monitor)

Specifications: Photocell-Controlled Mechanical Filter Cameras, Day / Night Switching

	Day-Night Switching, Color / Monochrome	Day/Night, Color/Mono w/ Enhanced IR Performance
CCD	M4 with MFP Technology	MX4 with MFP Technology
Image Sensor	1/3" Interline SuperHAD CCD	1/3" LXR CCD
Resolution	330 TVL color / 360 TVL monochrome	450 TVL color / 570 TVL monochrome
Effective Pixels	NTSC: 510 (H) x 492 (V) • PAL: 500 (H) x 582 (V)	NTSC: 765 (H) x 494 (V) • PAL: 752 (H) x 582 (V)
Sensitivity	0.1 Lux with F1.4 lens	0.1 Lux with F1.4 lens
S/N Ratio	Greater than 46dB (AGC off)	Greater than 46dB (AGC off)
Output Signal	1Vp-p, 75Ω	
Gamma	0.45	
Gain Control	AGC automatic	
Electronics Iris	1/60 ~ 1/100,000 (NTSC) • 1/50 ~ 1/100,000 (PAL)	
Filter	Dual-window mechanical type	
Gimbal	Pan-Tilt-Twist for easy installation	
Voltage	12 VDC or 24 VAC	
Power Draw	220 mA @ 12 VDC, 2.6 W (max)	
Dome Construction	Polycarbonate dome, 3mm thick	
Base Construction	CNC Anodised Aluminum	
Weight	1.0lbs (454g)	
Operational Range	-50°C to +60°C (-58°F to 140°F)	
Overall Dimension	∅4.6" x 3.25" H (118 x 83mm)	

Dealer/Distributor


 UK / Europe
 USA / Canada
 Toll Free (NA)

 Tel: + 44 (0) 1670 730 187
 Fax: + 44 (0) 1670 730 188
 Tel: + 1 604 420 7711
 Fax: + 1 604 420 3300
 Tel: + 1 888 409 2288
 www.ExtremeCCTV.com

Specifications: Color Cameras

CCD	C3 Standard Performance	C7 High Resolution Color	CX6 Enhanced Infrared Performance
Image Sensor	1/3" Interline SuperHAD	1/3" Interline SuperHAD	1/3" LXR CCD
Resolution	380 TVL	480 TVL	480 TVL
Effective Pixels NTSC	NTSC: 510 (H) x 492 (V)	NTSC: 768 (H) x 494 (V)	NTSC: 811 (H) x 508 (V)
Effective Pixels PAL	PAL: 500 (H) x 582 (V)	PAL: 752 (H) x 582 (V)	PAL: 795 (H) x 586 (V)
Sensitivity	0.5 Lux @ F1.4	2.7 Lux @ F1.4	0.14 Lux @ F1.4
S/N Ratio	Greater than 48dB	Greater than 48dB	Greater than 48dB
Output Signal	1Vp-p, 75Ω		
Gamma	0.45		
Gain Control	AGC		
Electronics Iris	1/60 ~ 1/100,000 (NTSC) • 1/50 ~ 1/100,000 (PAL)		
Gimbal	Pan-Tilt-Twist gimbal for easy installation		
Voltage	12 VDC or 24 VAC		
Power Draw	220 mA @ 12 VDC, 2.6 W (max)		
Dome Construction	Polycarbonate dome		
Dome Thickness	3 mm (1/8")		
Base Construction	CNC Anodised Aluminum		
Weight	1.0lbs (454g)		
Operational Range	-50°C to +60°C (-58°F to 140°F)		
Overall Dimension	Ø4.6" x 3.25" H (118 x 83mm)		

Specifications: Monochrome Cameras

CCD	S3 High Resolution Monochrome	SX3 Enhanced Infrared Performance
Image Sensor	1/3" Interline SuperHAD	1/3" LXR CCD
Resolution	600 TVL	600 TVL
Effective Pixels	NTSC: 768 (H) x 494 (V) • PAL: 752 (H) x 582 (V)	NTSC: 768 (H) x 494 (V) • PAL: 752 (H) x 582 (V)
Sensitivity	0.05 Lux @ F1.4	0.03 Lux @ F1.4 (0 Lux under IR illumination)
S/N Ratio	Greater than 50dB	Greater than 50dB
Output Signal	1Vp-p, 75Ω	
Gamma	0.45	
Gain Control	AGC	
Electronics Iris	1/60 ~ 1/100,000 (NTSC) • 1/50 ~ 1/100,000 (PAL)	
Gimbal	Pan-Tilt-Twist gimbal for easy installation	
Voltage	12 VDC or 24 VAC	
Power Draw	220 mA @ 12 VDC, 2.6 W (max)	
Dome Construction	Polycarbonate dome	
Dome Thickness	3 mm (1/8")	
Base Construction	CNC Anodised Aluminum	
Weight	1.0lbs (454g)	
Operational Range	-50°C to +60°C (-58°F to 140°F)	
Overall Dimension	Ø4.6" x 3.25" H (118 x 83mm)	

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