

## Key Features

- Total ballistic protection for bullet-proof surveillance
- Double layered ballistic design neutralizes bullet forces and bullet impact
- Constructed of 1026 Cold Drawn High Strength steel
- CNC machined
- 360° internal camera rotation
- Custom bracket with full pan / tilt positioning
- Back end cable management
- Four-layered polycarbonate window 1.25" in thickness
- Designed to IP68, UL752 Level 6 Ballistic rating
- Sunshield adds additional layer of ballistic protection
- High-resolution LXR CCD for IR performance
- 5-50mm varifocal auto-iris lens

## Product Description

Bullet-proof CCTV surveillance is essential as part of comprehensive measures for high-security applications. Ballistic design enables CCTV equipment to survive hostile gunfire attacks while upholding video vigilance. The design of such equipment must neutralize the extreme impact, momentum and shock generated by bullets while protecting the camera's functional integrity.

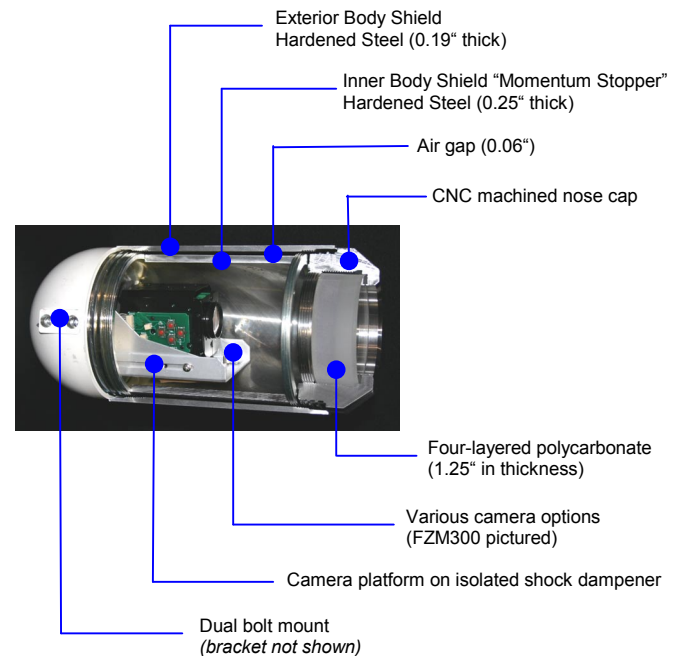
Integral to the ZX22 design is a double-walled chamber body made of cold drawn, high strength steel. The first layer absorbs the initial impact of any incoming projectile, while the second layer flexes to neutralize the remaining forces. For effective frontal protection, a four-layered, 1.25" ballistic insert ensures bullet-proof resiliency while maintaining high optical clarity and IR capability. The high-resolution LXR sensor delivers exceptional performance in the near infrared spectrum for effective Night Vision.

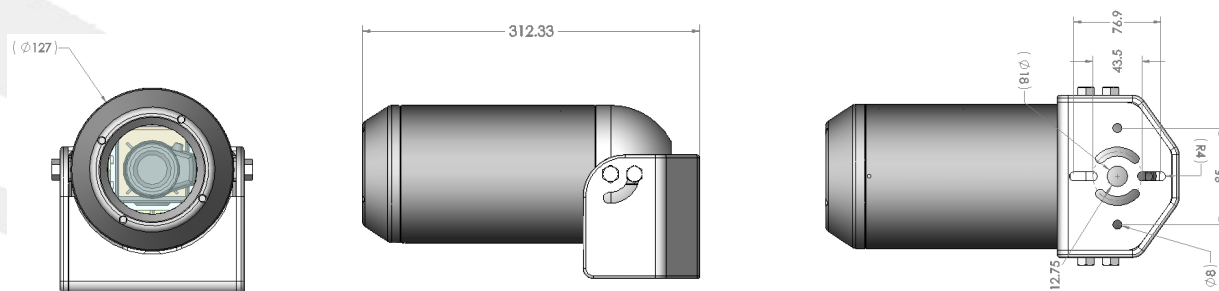
With a housing designed to UL752 Level 6 (Ballistic), the ZX22 is the ideal surveillance solution for extreme environments at risk of hostile gunfire.

## Applications

- Military and Defence applications
- Government sites
- Terrorist-prone locations
- Ports and harbours
- Jails and prisons
- Critical public infrastructure
- Law enforcement applications
- Hostile environments
- Oil and gas infrastructure

## Product Image



**Technical Drawings**

**General CCD Specification** (see specification tables for detailed camera specifications)

<b>CCD</b>	<b>Description</b>
MX4	Mechanical filter, photocell, enhanced infrared sensitivity, 1/3" LXR sensor, 550 TVL color, 570 TVL monochrome
M4	Mechanical filter, photocell, 1/3" SuperHAD sensor, 550 TVL color, 570 TVL monochrome
CX6	Enhanced infrared sensitivity, 1/3" LXR sensor, 480 TVL color
C7	1/3" SuperHAD sensor, 480 TVL color
SX4	High performance infrared, 1/3" LXR sensor, 420 TVL monochrome

**Specifications: Photocell-Controlled Mechanical Filter Cameras**

CCD	<b>M4 with MFP Technology</b>	<b>MX4 with MFP Technology</b>
Image Sensor	1/3" Interline SuperHAD CCD	1/3" LXR CCD
Resolution	550 TVL color / 570 TVL monochrome	550 TVL color / 570 TVL monochrome
Effective Pixels NTSC	NTSC: 768 (H) x 494 (V)	NTSC: 768 (H) x 494 (V)
Effective Pixels PAL	PAL: 752 (H) x 582 (V)	PAL: 752 (H) x 582 (V)
Sensitivity	0.06 Lux with F1.4 lens   0 lux with infrared (B/W)	0.02 Lux with F1.4 lens   0 lux with infrared (B/W)
S/N Ratio	Greater than 48dB (AGC off)	Greater than 48dB (AGC off)
Input Voltage	12 to 24 AC/DC	
Body Material	1026 Cold Drawn High Strength Steel	
Ballistic Insert	Four-layer polycarbonate 1.25" thick (UL 752 Level 6 rated)	
Weight	32.9lbs   14.9kg	
Inner Diameter	4"   102mm	
Outer Diameter	5"   127mm	
Inner Length	6.8"   173mm	
Outer Length	11.2"   285mm	
Sunshield	Included	
Bracketry	Included	
Lens Options	Varifocal, auto-iris: 5-50mm, 10-40mm IR-corrected	

**Specifications: Color / Monochrome Cameras**

CCD	CX6 LXR High-Res Color	C7 High Resolution Color	SX4 Night-Time Sensor
Image Sensor	1/3" LXR CCD	1/3" Interline SuperHAD	1/3" LXR CCD
Resolution	480 TVL	480 TVL	420 TVL
Effective Pixels NTSC	811 (H) x 508 (V)	768 (H) x 494 (V)	542 (H) x 492 (V)
Effective Pixels PAL	795 (H) x 586 (V)	752 (H) x 582 (V)	542 (H) x 582 (V)
Sensitivity	0.14 Lux @ F1.4	2.7 Lux @ F1.4	0.01 Lux @ F1.2
S/N Ratio	Greater than 48dB	Greater than 48dB	Greater than 48dB
Input Voltage	12 to 24 AC/DC		
Body Material	1026 Cold Drawn High Strength Steel		
Ballistic Insert	Four-layer polycarbonate 1.25" thick (UL 752 Level 6 rated)		
Weight	32.9lbs   14.9kg		
Inner Diameter	4"   102mm		
Outer Diameter	5"   127mm		
Inner Length	6.8"   173mm		
Outer Length	11.2"   285mm		
Sunshield	Included		
Bracketry	Included		
Lens Options	Varifocal, auto-iris: 5-50mm, 10-40mm IR-corrected		

**Part Numbers** *(Special Order Models available on request)*

<b>ZX22CX6-VA550</b>	11" Ballistic housing, color, 1/3" LXR, 480 TVL, 12/24 VRB
<b>ZX22MX4-VA140</b>	11" Ballistic housing, 1/3" LXR, 450 TVL color / 570 TVL mono
<b>ZX22SX4-VA550</b>	11" Ballistic housing, mono, 1/3" LXR, 420 TVL, 12/24 VRB

**Optional Accessories**

<a href="#"><u>EXPS.001</u></a>	Power supply unit
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Dealer / Distributor



Corporate Headquarters  
**Extreme CCTV Inc**  
 TF: 1 888 409 2288  
 T: +1 604 420 7711  
 F: +1 604 420 3300  
 E: Sales@ExtremeCCTV.com  
 www.ExtremeCCTV.com



European Operations  
**Derwent Systems Ltd**  
 A Division of Extreme CCTV (UK) Ltd  
 T: +44 (0) 1670 730 187  
 F: +44 (0) 1670 730 188  
 E: SalesUK@DerwentCCTV.com  
 www.DerwentCCTV.com