

HDPTZ-ELS2L12X-C

2MP 12x Zoom Starlight IPPTZ



System Overview

We're introducing this Elite series compact PTZ camera for your home or business and this is one of the most versatile PTZ cameras available. Because this works with HD-CVI, HD-TVI, AHD, and Analog, it will be a perfect fit for many of our customers who have had cameras in the past and still have the coaxial cable (rg59/rg6) in place. If that's the case, you'll be ready to go! The 12x optical zoom (5.3mm to 64mm lens) makes it easy for you to be able to see detail necessary to identify criminals or to just help focus on problems and ways to increase efficiency and productivity. You get features like true WDR, which optimizes bright and dark areas within a scene to deliver video that won't be washed out or have too much contrast. Don't forget the trademarked Starlight Technology that maximizes the available light to allow you to see clearer, color images in low light conditions as low as .005 lux.

- 1/2.8" 2MP STARVIS™ CMOS
- Powerful 12x optical zoom
- Starlight technology
- Max. 25/30fps@1080P, 25/30/50/60fps@720P
- 120dB true WDR, 3D DNR
- IP66, IK10



Features

Multi-formats

4-in-1 Security cameras have replaced older analog only surveillance cameras also known as 960H cameras or CCTV cameras. 4-in-1 Security cameras are considered "universal cameras" because they can output three types of HD over Coax video signals (HD-CVI, HD-TVI, AHD) and analog resolution video (CVBS). The ability to easily switch video output from the cameras' BNC connector makes them compatible with all the popular security DVRs.

Starlight Technology

The starlight standard sensor is just like the retina of your eyes which is sensitive to its ambient light, and the image quality is determined by how much light the sensor could use, together with the camera lens. The starlight camera technology uses larger and highly sensitive sensors, wider aperture and reduces the shutter speed to collect enough light for sharp monochrome/color images, even when human eyes couldn't identify a thing. So the starlight camera can see right through the darkness, even when it is challenging for your eyes.

Protection IP67,IK10

IP67 refers to camera enclosures that have obtained the a rating from the International Electrotechnical Commission's (IEC) international standard 60529 rating board that declares the cameras to be: Offering full protection from dust and solid matter larger than dust and Safe for immersion in water up to 1 meter up to 30 minutes IK10 cameras are Protected against a 5 Kg object dropped from 40 cm in height

Wide Dynamic Range

When part of an image is extremely dark but another part is so bright you can't see any details, that's dynamic range—the difference in lighting. Cameras with wide dynamic range (WDR) have special software that allows them to balance that lighting for one clear image. This makes them ideal for recording areas like store entrances where the contrast between the sunshine outside and the dim lighting inside can be extremely difficult to record.

Technical Specification

Camera

Image Sensor	1/2.8" STARVIS™ CMOS
Effective Pixels	1920(H) x 1080(V), 2 Megapixels
Scanning System	Progressive
Electronic Shutter Speed	1/1s~1/30,000s
Minimum Illumination	Color: 0.005Lux@F1.6; B/W:0.0005Lux@F1.6
S/N Ratio	More than 50dB
IR Distance	N/A
IR On/Off Control	N/A
IR LEDs	N/A

Lens

Focal Length	5.3mm~64mm
Max. Aperture	F1.6 ~ F3.0
Angle of View	H: 58.4° ~ 4.9°
Optical Zoom	12x
Focus Control	Auto/Manual
Close Focus Distance	100mm~ 1000mm

DORI Distance

*Note: The DORI distance is a “general proximity” of distance which makes it easy to pinpoint the right camera for your needs. The DORI distance is calculated based on sensor specification and lab test result according to EN 62676-4 which defines the criteria for Detect, Observe, Recognize and Identify respectively.

Detect	Observe	Recognize	Identify
883m(2897ft)	353m(1158ft)	177m(581ft)	88m(289ft)

PTZ

Pan/Tilt Range	Pan: 0° ~ 360° endless; Tilt: -2° ~ 90°,auto flip 180°
Manual Control Speed	Pan: 0.1° ~300° /s; Tilt: 0.1° ~120° /s
Preset Speed	Pan: 300° /s; Tilt: 200° /s
Presets	300
PTZ Mode	5 Pattern, 8 Tour, Auto Pan ,Auto Scan
Speed Setup	Human-oriented focal Length/ speed adaptation
Power up Action	Auto restore to previous PTZ and lens status after power failure
Idle Motion	Activate Preset/ Scan/ Tour/ Pattern if there is no command in the specified period
Protocol	DH-SD, Pelco-P/D (Auto recognition)

Video

Resolution	1080P(1920×1080)/720P(1280×720)
Frame Rate	25/30fps@1080P, 25/30/50/60fps@720P
Video Output	1-channel BNC high definition video output/ CVBS standard definition video output (switchable)

Day/Night	Auto(ICR) / Color / B/W
OSD Menu	Support
Backlight Compensation	BLC / HLC / WDR(120dB)
White Balance	Auto, ATW, Indoor, Outdoor, Manual
Gain Control	Auto / Manual
Noise Reduction	Ultra DNR (2D/3D)
Digital Zoom	16x
Flip	180°
Privacy Masking	Up to 24 areas

Certifications

Certifications	CE: EN55032/EN55024/EN50130-4 FCC: Part15 subpartB,ANSI C63.4- 2014 UL: UL60950-1+CAN/CSA C22.2,No.60950-1
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Interface

Video Interface	1
Audio Interface	1 channel in
RS485	1
Alarm I/O	2/1

Electrical

Power Supply	AC24V/1.5A(±10%)
Power Consumption	10W

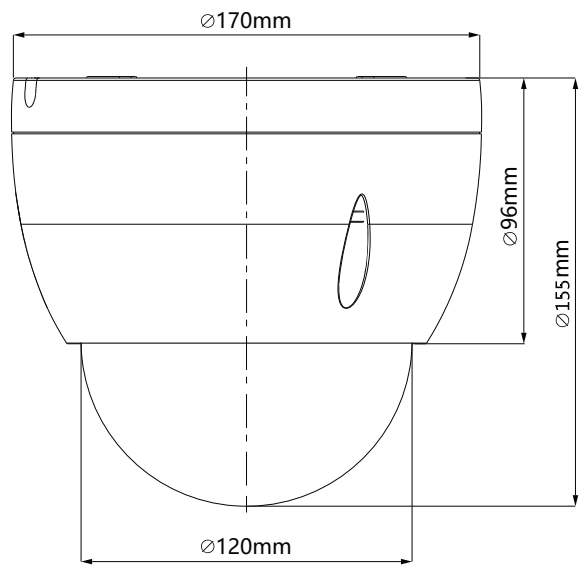
Environmental

Operating Conditions	-30°C ~ 60°C (-22°F ~ +140°F) / Less than 90% RH
Ingress Protection	IP66
Vandal Resistance	IK10

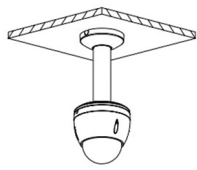
Construction

Casing	Metal
Dimensions	Φ170(mm)×155(mm)
Net Weight	1.8kg(3.97lb)
Gross Weight	3.3kg(7.28lb)

Dimensions (mm)



Accessories

Mount Adapter/Pendant Mount MA-EL102-CM-EL300C	Mount Adapter/Wall Mount MA-EL102-WM-EL302S
	
Mount Adapter/Wall Mount/Pole Mount MA-EL102-WM-EL302S-PM-EL150	Mount Adapter/Wall Mount/Corner Mount MA-EL102-WM-EL302S-CM-EL151
	