

Z-HE2EM5SW25-S

2MP 25X Zoom 4-in-1 PTZ



System Overview

Featuring a powerful optical zoom and accurate pan/tilt/zoom performance, this HD PTZ camera can provide large monitoring range and great detail. The camera delivers 1080P resolution at 25/30 fps, with 25x optical zoom, and has very excellent low light performance due to adopting the latest Starlight™ technology. This PTZ is equipped with smooth control, high quality image and good protection, which make it can meet small and medium size of video surveillance applications.

- 1/2.8" 2Megapixel STARVIS™ CMOS
- Powerful 25x optical zoom
- Starlight technology
- 120dB true WDR, 3D DNR
- Max. 25/30fps@1080P, 25/30/50/60fps@720P
- IR distance up to 100m
- IP66



Features

Wide Dynamic Range (WDR)

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.

Simplicity

HDCVI technology inherits the born feature of simplicity from traditional analog surveillance systems, making itself a best choice for investment protection. HDCVI systems can seamlessly upgrade the traditional analog systems without replacing existing coaxial cabling. The plug and play approach enables full HD video surveillance without the hassle of configuring a network.

Environmental

With a temperature range of -40 °C to +70 °C (-40 °F to +158 °F), the camera is designed for extreme temperature environments. Subjected and certified to rigorous dust and water immersion tests, the IP66 rating makes it suitable for demanding outdoor applications.

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

This camera suits even the harsh conditions for outdoor applications. Its 6KV lightning rating provides protection against the camera and its structure from the effects of lightning.

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	PAL: 1/3s~1/30,000s NTSC: 1/4s~1/30,000s		
Minimum Illumination	Color: 0.005Lux@F1.6; B/W: 0.0005Lux@F1.6; 0Lux@F1.6 (IR on)		
S/N Ratio	More than 55dB		
IR Distance	Distance up to 100m (328ft)		
IR On/Off Control	Auto/Manual		
IR LEDs	6		
Lens			
Focal Length	4.8mm~120mm		
Max. Aperture	F1.6 ~ F4.4		
Angle of View	H: 62.8° ~ 2.6°		
Optical Zoom	25x		
Focus Control	Auto/Manual		
Iris 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
1613m(5259ft)	646m(2119ft)	323m(1060ft)	161m(528ft)
PTZ			
Pan/Tilt Range	Pan: 0° ~ 360° endless; Tilt: -15° ~ 90°,auto flip 180°		
Manual Control Speed	Pan: 0.1° ~200° /s; Tilt: 0.1° ~120° /s		
Preset Speed	Pan: 240° /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)		

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)
Defog	Support
Digital Zoom	16x
Flip	180°
Privacy Masking	Up to 24 areas

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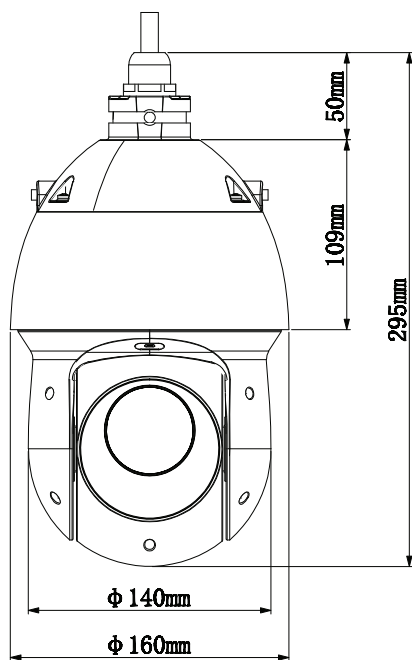
Interface	
Video Interface	1
Audio Interface	1 channel in
RS485	1
Alarm I/O	2/1

Electrical	
Power Supply	DC 12V/3A
Power Consumption	13W, 22W (IR on, Heater on)

Environmental	
Operating Conditions	-40°C ~ 70°C (-40°F ~ +158°F) / Less than 90% RH
Ingress Protection	IP66
Vandal Resistance	N/A

Construction	
Casing	Metal
Dimensions	Φ160(mm) x 295(mm)
Net Weight	3kg(6.61lb)
Gross Weight	4.2kg(9.26lb)

Dimensions (mm/inch)



Accessories

Included:



WEW-305W
Wall Mount

Optional:



MEN-111
Mount Adapter



MEN-120
Junction Box



LEW-150
Pole Mount



CEW-151
Corner Mount



AEW-303S
Parapet Mount

Pole Mount	Wall Mount
WEW-305W + LEW-150	WEW-305W + MEN-120
Corner Mount	Parapet Mount
WEW-305W + CEW-151	MEN-111+ AEW-303S