OSIRIS

PTZ-H2EN25-M | 2MP 25x Starlight IR PTZ HDCVI Camera

- 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

WDR | **0.005Lux** | **ICR D/N** | **IP66**

System overview

Featuring with powerful optical zoom and accurate pan/tilt/zoom performance, this 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. SD49 series 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.

Functions

Simplicity

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

Starlight Technology

Thanks to our experience and expertise in hardware and software development , the camera is equipped with the latest image processing algorithm, high performance hardware and high quality optical components, which make the camera have very exellent low light performance. In most conditions, this camera can deliver clear, bright and low-noise color images.

Wide Dynamic Range

Embedded with industry leading wide dynamic range (WDR) technology, vivid pictures are achieved even in the most intense contrast lighting conditions. For applications with both bright and low lighting conditions that change quickly, true WDR (120dB) optimizes both the bright and dark areas of a scene at the same time to provide usable video.

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.

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.

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Technical Specifications

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; 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: 59.2° ~ 2.4°
Optical Zoom	25x
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
1613m	646m	323m	161m

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 nocommand in the specified period
Protocol	DH-SD, Pelco-P/D (Auto recognition)

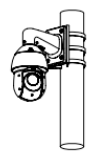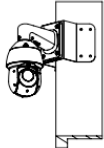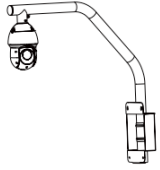| Video	
Resolution	1080P(1920×1080)/720P(1280×720)
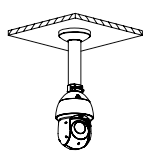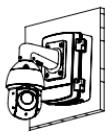
Frame Rate	25/30fps@1080P, 25/30/50/60fps@720P
Video Output	1-channel BNC high definition video output/ CVBS standard definition video output (switchable)
Day/Night	Auto(ICR) / Color / B/W
OSD Menu	Support
Backlight Compensation	BLC / HLC / WDR (120dB)
White Balance	Auto, ATW, Indoor, Outdoor, Manual
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

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,20W (IR 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)

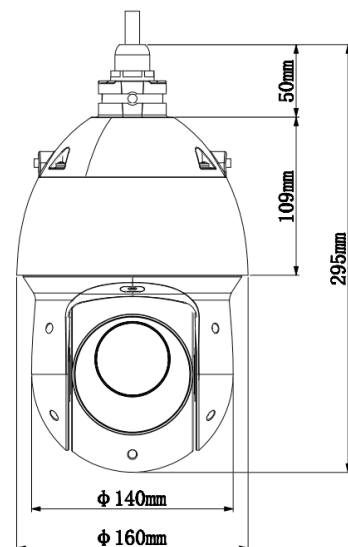## PTZ-H2EN25-M │ 2MP 25x Starlight IR PTZ HDCVI Camera

Accessories

Included
OS-PFB305W Wall Mount

Optional		
OS-PFA111 Mount Adapter	**DC12V/3A** Power Supply	**OS-PFA140** Power Box
OS-PFB300C Ceiling Mount	**OS-PFA120** Junction Box	**OS-PFA150** Pole Mount
OS-PFA151 Corner Mount	**OS-PFB303S** Parapet Mount	

Accessories

Ceiling Mount OS-PFA111 + OS-PFB300C	Junction Mount OS-PFB305W + OS-PFA120
Power Box Mount OS-PFB305W + OS-PFA140	**Pole Mount** OS-PFB305W + OS-PFA150
Corner Mount OS-PFB305W + OS-PFA151	**Parapet Mount** OS-PFA111 + OS-PFB303S

Dimensions

50mm
109mm
295mm
φ 140mm
φ 160mm