OS-H-WEN2F-MT-0280 | 2MP WDR HDCVI IR DOME CAMERA

- 20dB true WDR, 3DNR
- Max 30fps@1080P
- HD and SD dual-output
- 3.6mm fixed lens (2.8mm, 6mm optional)
- Max. IR length 20m, Smart IR
- IP67, IK10, DC12V

System Overview

Experience 1080P full HD video and the simplicity of reusing existing coaxial infrastructure with HDCVI. The camera features 120dB true WDR, which presents a high quality image with rich details and accurate color rendition for applications with complex lighting conditions. It offers various motorized/fixed lens models with a multi-language OSD and HD&SD dual-output. The outstanding performance and true WDR feature makes the camera an ideal choice for mid to large-size business and common projects where both highly reliable surveillance and construction flexibility are needed.

Functions

4 Signals over 1 Coaxial Cable

HDCVI technology supports 4 signals to be transmitted over 1 coaxial cable simultaneously, i.e. video, audio*, data and power. Dual-way data transmission allows the HDCVI camera to interact with the HCVR, such as sending control signal or triggering alarm. Moreover, HDCVI technology supports PoC for construction flexibility. * Audio input is available for some models of HDCVI cameras.

Long Distance Transmission

HDCVI technology guarantees real-time transmission at long distance without any loss. It supports up to 700m transmission for 5MP HD video via coaxial cable, and up to 300m via UTP cable.

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.

Wide Dynamic Range

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

Advanced 3DNR

3DNR is noise reduction technology that detects and eliminates random noises by comparing two sequential frames. Osiris' advanced 3DNR technology allows remarkable noise reduction with little impact to sharpness, especially under limited lighting condition. Besides, the advanced 3DNR effectively decreases the band width and saves the storage space.

Protection

The camera's outstanding reliability is unsurpassed due to its rugged design. The camera is protected against water and dust with IP67 ranking, making it suitable for indoor or outdoor environments. Supporting ±30% input voltage tolerance, this camera suits even the most unstable power supply conditions. Its 4KV lightning rating provides protection against the camera and its structure from the effects of lightning.

Multiple-Outputs

The camera supports HDCVI and CVBS signal outputs simultaneously with two BNC connectors. Multi-outputs facilitates construction in such situations as debugging through a tester. It also offers the possibility for cooperating with multiple devices including analog matrix or monitor.

Smart IR

The camera is designed with IR LED illumination for best lowlight performance. Smart IR is a technology to ensure brightness uniformity in B/W image under low illumination. Osiris' unique Smart IR adjusts to the intensity of camera's infrared LEDs to compensate for the distance of an object, and prevents IR LEDs from overexposing images as the object come closer to the camera.

OS-H-WEN2F-MT-0280 | 2MP WDR HDCVI IR DOME CAMERA

Technical Specifications

Camera	
Image Sensor	1/2.7" CMOS
Effective Pixels	1928(H)×1088(V), 2.1MP
Scanning System	Progressive
Electronic Shutter Speed	PAL: 1.3s~1/30000s NTSC: 1s~1/30000s
Minimum Illumination	0.03Lux/F2.0, 30IRE, 0Lux IR on
S/N Ratio	More than 65dB
IR Distance	Up to 20m (66feet)
IR On/Off Control	Auto / Manual
IR LEDs	10
Lens	
Lens Type	Fixed lens / Fixed iris
Mount Type	Board-in
Focal Length	3.6mm (2.8mm, 6mm Optional)
Max. Aperture	F2.0
Angle of View	H: 90° (115.6°/59.4°)
Focus Control	N/A
Close Focus Distance	800mm (500mm, 1800mm) 31.50" (19.69", 70.87")

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.

	DORI Definition	Distance
Detect	25px/m (8px/ft)	2.8mm:40m(132ft) 3.6mm: 53m(175ft) 6mm: 78m(257ft)
Observe	63px/m (19px/ft)	2.8mm:16m(53ft) 3.6mm: 21m(70ft) 6mm: 31m(103ft)
Recognize	125px/m (38px/ft)	2.8mm:8m(26ft) 3.6mm: 11m(35ft) 6mm: 16m(51ft)
Identify	250px/m (76px/ft)	2.8mm:4m(13ft) 3.6mm: 5m(17ft) 6mm: 8m(26ft)

Pan/Tilt/Rotation	
Pan/Tilt/Rotation	Pan: 0° ~ 60° Tilt: 0° ~ 80° Rotation: 0° ~ 360°

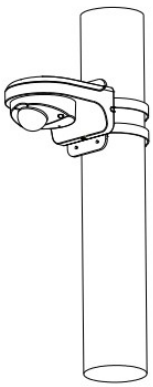
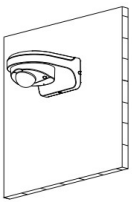
Video	
Resolution	1080P (1920×1080)
Frame Rate	25/30fps@1080P, 25/30/50/60fps@720P
Video Output	1-channel BNC HDCVI high definition video output & 1-channel BNC CVBS video output CVBS tester out
Day/Night	Auto (ICR) / Manual
OSD Menu	Multi-language
BLC Mode	BLC / HLC / WDR
WDR	120dB
Gain Control	AGC
Noise Reduction	2D/3D
White Balance	Auto / Manual
Smart IR	Auto / Manual
Certifications	
Certifications	CE (EN55032, EN55024, EN50130-4) FCC (CFR 47 FCC Part 15 subpartB, ANSI C63.4-2014) UL (UL60950-1+CAN/CSA C22.2 No.60950-1)
Interface	
Audio Interface	Built-in Mic
Electrical	
Power Supply	12V DC ±25%
Power Consumption	Max 3.5W (12V DC, IR on)
Environmental	
Operating Conditions	-30°C ~ +60°C (-22°F ~ +140°F) / Less than 90% RH * Start up should be done at above -30°C (-22°F)
Storage Conditions	-30°C ~ +60°C (-22°F ~ +140°F) / Less than 90% RH
Ingress Protection & Vandal Resistance	IP67 & IK10
Construction	
Casing	Aluminium
Dimensions	Φ106mm×50.3mm (Φ4.17"×1.98")
Net Weight	0.30kg (0.66lb)
Gross Weight	0.45kg (0.99lb)

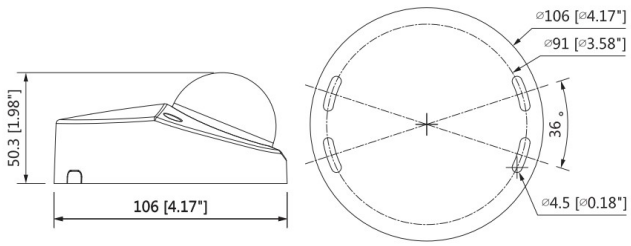
OS-H-WEN2F-MT-0280 | 2MP WDR HDCVI IR DOME CAMERA

Accessories (optional)

Junction box: PFA139	Pole Mount: PFA152-E
Wall mount: PFB204W	**Passive HDCVI Balun: PFM800-E**
Passive HDCVI Balun: PFM800-4MP	**12V 2A Power Adapter: PFM320**
12V 1A Power Adapter: PFM321	**Power Adapter: PFM320D-015**
Passive HDCVI Balun + Power PFM801-4MP	**16Channel Passive HDCVI Balun Receiver PFM809-4MP**

Dimensions (mm/inch)

Junction Mount: PFA139	Pole Mount: PFB204-W + PFA152-E
	
Wall Mount: PFB204W	
	



** The information contained in this document (photos, drawings, dimensions, specifications) may be subject to change without prior notice.*
*** Copyright© Osiris Security. All rights reserved. The information in this document can not be published, rewritten or republished in any form. If you wish to use the text or images in this document for commercial reasons, please contact marketing@osiris-security.com*