ICR-300H4-V2 2MP Starlight HD-AVS IR Eyeball Camera





System Overview

IC Realtime's ICR-300-H4-V2 provides 1080P full HD video quality and the simplicity of reusing existing coaxial infrastructure with HD-AVS. This Starlight HD-AVS camera features a 2.7 mm–13.5mm motorized lens, a 120dB true WDR and 197 feet of IR illumination. This new version also adds Super Adapt, which automatically changes the camera settings based on the environment.

The camera comes equipped with a built-in microphone and HD/SD support (AVS/ CVBS) with a switchable output. Its superior image performance makes the camera an ideal choice for mid to large-size businesses and projects where both highly reliable surveillance and construction flexibility are needed.

Functions

4 Signals over 1 Coaxial Cable

HD-AVS 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 HD-AVS camera to interact with the HCVR, such as sending control signal or triggering alarm.

*Audio input is available for some models of HD-AVS cameras.

Simplicity

HD-AVS technology inherits the born feature of simplicity from traditional analog surveillance system, making itself a best choice for investment protection. HD-AVS 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.

- Max. 30fps@1080P
- HD/SD output switchable
- Super Adapt, 120dB WDR, built-in mic
- Starlight support, 2.7-13.5mm motorized lens
- Max. IR length 196ft, Smart IR
- IP67, AC24V/DC12V±30%

Starlight

Featured with Starlight Technology, the camera is ideal for applications with challenging light conditions. Its low light performance delivers usable video with minimal ambient light. Even in extreme low light conditions, Starlight Technology is capable of delivering color images in nearly complete darkness.

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.

Super Adapt

This camera comes equipped with an intelligent algorithm, which enables the camera to automatically adjust parameters based on the external environment to present the optimal image.

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.

Technical Specification

Camera

IA2.8° CMOSEffective Pixels1920(H)×1080(V), 2MPScanning SystemProgressiveElectronic Shutter SystemNTSC: 1/3s-1/10,000s PAL: 1/4s-1/10,000sMinimum Illuminative0.004Lux/F1.4s-1/10,000sMinimum Illuminative0.004Lux/F1.6s-1/2S/N Ratio0.004Lux/F1.6s-1/2S/N RatioMore than 65dBIR DistanceUp to 197ft (60-1/2IR Ch/Off ControlUp to 197ft (60-1/2IR LEDsQIR LEDsAuto / ManualIR LEDsQLens TypeMotorized lens / Fixed irisKaunt TypeBoard-inFocal LengthC.7-13.5mmMount TypeBoard-inFocal LengthC.7-13.5mmAuto / ManualSoften - Soften -						
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Pan: 0° ~ 360° Pan/Tilt/Rotation Range Tilt: 0° ~ 78°		Tele	502ft	200ft	102ft	49ft
Pan/Tilt/Rotation Range Tilt: 0° ~ 78°	Pan/Tilt/Rotation					
	Pan/Tilt/Rotation Range		Tilt: 0° ~ 78°			

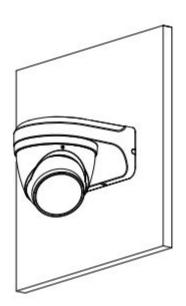
Certifications			
Certifications	FCC Part 15 subpart B)		
Interface			
Video Interface	1-channel BNC high definition video output / CVBS video output (DIP switch)		
Audio Interface	1ch in & Built-in Mic		
RS485	N/A		
Alarm	N/A		
Electrical			
Power Supply	AC 24V±30% / DC 12V±30%		
Power Consumption	Max 6.9W (12V DC, IR on)		
Environmental			
Operating Conditions	-22 °F to 140 °F (–30 °C~+60 °C); $<95\%$ (non condensation)		
Storage Conditions	-22 °F to 140 °F (–30 °C~+60 °C); $<95\%$ (non condensation)		
Ingress Protection & Vandal Resistance	IP67		
Construction			
Casing	Aluminum		
Dimensions	4.8"×4.2" (122mm×107mm)		
Net Weight	1.39lb (0.63kg)		
Gross Weight	1.83 lb (0.83 kg)		

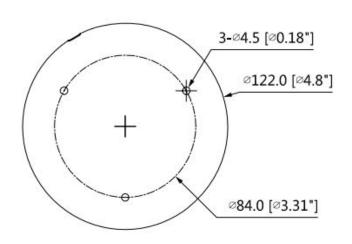
Video

Resolution	1080P (1920×1080)
Frame Rate	25/30fps@1080P, 25/30/50/60fps@720P
Video Output	1-channel BNC high definition video output / CVBS video output (DIP switch)
Day/Night	Auto switch by ICR
BLC Mode	BLC/WDR/HLC
WDR	120dB
Gain Control	Auto; manual
Noise Reduction	2D/3D
White Balance	Auto/Area WB
Smart IR	Auto / Manual

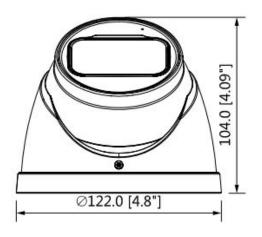
Mounting

MNT-IPMINIDOME-WALL





Dimensions (mm/in)



MNT-JUNCTIONBOX-1

