

ICR-LRD-V2

2MP Starlight HD-AVS IR Eyeball Camera



- Max 30 fps@1080p
- Super Adapt, 2.8mm lens
- AVS/ TVI/ AHD and CVBS output switchable
- 2.8mm fixed lens, Built-in mic
- Quick release mount, 130dB WDR
- Max. IR length 196ft, Smart IR
- IP67, DC12V $\pm 30\%$ DC

System Overview

The ICR-LRD-V2 is the newest version of IC Realtime's venerable 1080p AVS eyeball turret camera. The camera's upgraded 2.8mm lens provides an incredible image, thanks to Starlight and Super Adapt support, up to 196 feet of IR support, and 130dB true WDR. This enables the most optimal image under the most challenging lighting conditions.

The camera also includes a built-in microphone for audio as well as multi-format (AVS/ TVI/ AHD and CVBS) coax support for increased flexibility and a quick attach base for ease of installation.

Functions

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.

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.

Easy Installation Base

This quick-to-install eyeball utilizes a quick-release mounting base, which can achieve easier setup than conventional eyeball, reducing time and labor costs during installation or maintenance.

Starlight

With the adoption of high performance sensor, the camera is able to provide incomparable performance even under extreme low light environment. The starlight feature allows more details to be captured and accurate color to be recognized at night or in scenes with limited illumination.

Multiple-formats

The camera supports multiple video formats including HD-AVS, CVBS, and other two common HD analog formats in the market. This feature makes the camera compatible with not only XVRs, but also most existing HD/SD DVRs.

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 (130dB) 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. 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.

Technical Specification

Camera

Image Sensor	1/2.8" CMOS
Effective Pixels	1920(H)×1080(V), 2MP
Scanning System	Progressive
Electronic Shutter Speed	NTSC: 1/30 s~1/100,000 s PAL: 1/25 s~1/100,000 s
Minimum Illumination	0.002 Lux/F1.6, 30 IRE, 0 Lux IR on
S/N Ratio	More than 65dB
IR Distance	Up to 196.9 ft (60m)
IR On/Off Control	Auto / Manual
IR LEDs	2

Lens

Lens Type		Fixed lens			
Mount Type		M12			
Focal Length		2.8mm			
Max. Aperture		F1.6			
Angle of View		107°; V: 56°			
Iris Type		Fixed			
Close Focus Distance		2.3 ft (0.7m)			
DORI Distance	Lens	Detect	Observe	Recognize	Identify
	2.8mm	144ft	57ft	28ft	14ft

Pan/Tilt/Rotation

Pan/Tilt/Rotation Range	Pan: 0° ~ 360° Tilt: 0° ~ 78° Rotation: 0° ~ 360°
-------------------------	---

Video

Resolution	1080p(1920 × 1080); 960H (960 × 576 / 960 × 480)	
Frame Rate	AVS	NTSC: 1080p@30 fps; PAL: 1080p@25 fps
	AHD	NTSC: 1080p@30 fps; PAL: 1080p@25 fps
	TVI	NTSC: 1080p@30 fps; PAL: 1080p@25 fps
	CVBS	NTSC: 960 × 480H; PAL: 960 × 576H;
Video Output	1-channel BNC high definition video output: AVS/TVI/AHD/CVBS (controlled by HDVR OSD)	
Day/Night	Auto switch by ICR	
OSD Menu	Multi-language	
BLC Mode	BLC / HLC / WDR (130dB)	
WDR	130dB	
Gain Control	Auto; manual	
Noise Reduction	3D NR	
White Balance	Auto; Area WB	
Smart IR	Auto / Manual	

Certifications

Certifications	FCC (CFR 47 FCC Part 15 subpart B)
----------------	------------------------------------

Interface

Video Interface	1-channel BNC AVS/ TVI/ AHD and CVBS video output (OSD switch)
Audio Interface	1ch in & Built-in Mic
RS485	N/A
Alarm	N/A

Electrical

Power Supply	12V DC ±30%
Power Consumption	Max 5.1 W (12V DC, IR on)

Environmental

Operating Conditions	-40°F ~ +140°F (-40°C ~ +60°C) / Less than 95% RH
Storage Conditions	-40°C ~ +60°C (-40°F ~ +140°F) / Less than 95% RH
Ingress Protection & Vandal Resistance	IP67

Construction

Casing	Aluminum
Dimensions	4.8" × 3.9"(121.9 mm × 99.1 mm)
Net Weight	0.93 lb (0.42 kg)
Gross Weight	1.37 lb (0.62 kg)

Mounting

Dimensions (mm/in)

MNT-JUNCTIONBOX-1

