



WVI035-DL-A

2MP Smart Dual Light HDCVI **Eyeball Camera**

- * The parameters and datasheets below can only be applied to1200-S6-IL series
- n order to use the Smart Dual Light HDCVI camera, the firmware of XVR must be upgraded to V4.001.0000004.1.R.220323 or later version.
- · Max. 30 fps@1080p.
- · 3D NR.
- · Smart Dual Light.
- · 20 m illumination distance.
- · Super Adapt.
- · Built-in mic.
- · 3.6 mm fixed lens (2.8 mm optional).
- · CVI/CVBS/AHD/TVI switchable.
- · IP67, 12 VDC.













The Lite Series is a great choice for consumers looking for high quality monitoring products at a reasonable price. Its low cost and high performance make it ideal for residential areas and SMB solutions. This series is equipped with a wide range of technologies, such as full-color and starlight, providing various solutions for different scenarios.

Smart Dual Light

With its smart dual light mechanism, the camera automatically turns on the white light when Perimeter Protection/SMD Plus function of Al XVR detects a triggering alarms. HDCVI technology also supports PoC, which makes target in the rule area to capture clear, vivid images. When the target leaves the camera easy and quick to install. the rule area, the camera automatically switches over from the white light to *Audio input is available for some models of HDCVI cameras. the IR light to significantly reduce light pollution.

Broadcast-quality Audio

Audio signal transmission over coaxial cables is supported by the HDCVI camera. It adopts a unique audio processing and transmission technology that restores source audio and eliminates noise, ensuring the quality and reliability of the audio information that is collected. This becomes important for video surveillance applications that use audio information as a type of supplementary evidence.

Super Adapt

With its intelligent algorithm, the camera automatically adjusts its parameters to provide optimal performance and vivid images.

Advanced 3DNR

WATASHI's advanced 3DNR technology reduces image noise with little to no impact on image sharpness, especially in poor lighting conditions. It detects the noise, and compares the sequential frames to effectively reduce the noise. It also makes efficient use of bandwidth, saving on storage space.

Long Distance Transmission

HDCVI technology provides long distance transmission in real time without transmission loss. It supports transmission distances up to 700 m for 2-MP/5-MP/8-MP HD videos through coaxial cables, and up to 300 m through UTP cables. The results were obtained and verified through rigorous testing in WATASHI's test laboratory

4 Signals over 1 Coaxial Cable

HDCVI technology supports 4 signals (video, audio*, data and power) which are simultaneously transmitted over a coaxial cable. Dual-way data transmission allows the HDCVI camera to interact with the XVR to perform various actions such as sending control signals and

Protection (IP67, wide voltage)

IP67: The camera passes a series of strict test on dust and soak. It has dust-proof function, and the enclosure can works normal after soaking in 1 m deep water for 30 minutes. Wide voltage: The camera allows ±30% (for some power supplies) input voltage tolerance (wide voltage range), and it is widely applied to outdoor environment with instable voltage.





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Technical Specification					
Camera					
Image Sensor		2 MP CMOS			
Max. Resolution		1920 (H) × 1080 (V)			
Scanning System		Progressive			
Electronic Shutter Speed		PAL: 1/25 s-1/100000 s NTSC: 1/30 s-1/100000 s			
Min. Illumination		0.01 lux@F2.0 (Color, 30 IRE) 0.001 lux@F2.0 (B/W, 30 IRE) 0 lux (Illuminator on)			
S/N Ratio		>65 dB			
Illumination Distance		IR: 20 m (65.62 ft) Warm light: 20 m (65.62 ft)			
Illuminator On/Off Control		Auto			
Illuminator Number		1 (Warm light);1 (IR light)			
Angle Adjustment		Pan: 0°–360° Tilt: 0°–78° Rotation: 0°–360°			
Lens					
Lens Type		Fixed-focal			
Auto Focus		No			
Lens Mount		M12			
Focal Length	Focal Length		2.8 mm;3.6 mm		
Max. Aperture		F2.0			
Field of View		2.8 mm: H: 102°; V: 60°; D: 129° 3.6 mm: H: 83°; V: 48°; D: 105°			
Iris Control	Iris Control		Fixed		
Close Focus Di	Close Focus Distance		2.8 mm: 0.5 m (1.64 ft) 3.6 mm: 0.7 m (2.30 ft)		
	Lens	Detect	Observe	Recognize	Identify
DORI Distance	2.8 mm	41.1 m (135.83 ft)	16.5 m (42.13 ft)	8.3 m (27.23 ft)	4.1 m (13.45 ft)
	3.6 mm	50.9 m (166.99 ft)	20.3 m (66.60 ft)	10.2 m (33.46 ft)	5.1 m (16.73 ft)

White Balance	Auto;Area white balance	
Gain Control	Auto	
Noise Reduction	3D NR	
Illumination Mode	Smart IR&WL WL Mode; IR Mode	
Mirror	Yes	
Privacy Masking	Off/On (8 areas, rectangle)	
Certification		
Certifications	CE-LVD: EN 62368-1; CE-EMC: EN 55032; EN 55035; FCC: 47 CFR FCC Part 15, Subpart B; UL: UL62368-1 + CAN/CSA C22.2 No. 62368-1-14	
Port		
Video Output	Video output choices of CVI/TVI/AHD/CVBS by one BNC port	
Audio Input	1 channel	
Power		
Power Supply	12 VDC ± 30%	
Power Consumption	Max 2.6W (12 VDC, IR on)	
Environment		
Operating Temperature	-40 °C to +60 °C (-40 °F to +140 °F)	
Operating Humidity	<95% (RH), non-condensing	
Storage Temperature	-40 °C to +60 °C (-40 °F to +140 °F)	
Storage Humidity	<95% (RH), non-condensing	
Protection	IP67	
Structure		
Casing Material	Metal	
Product Dimensions	φ94.0 mm × 85.7 mm (φ3.70" × 3.37")	
Net Weight	0.30 kg (0.66 lb)	
Gross Weight	0.42 kg (0.93 lb)	

Video Frame Rate	CVI: PAL: 1080p@25 fps; NTSC: 1080p@30 fps; AHD: PAL: 1080p@25 fps; NTSC: 1080p@30 fps; TVI: PAL: 1080p@25 fps; NTSC: 1080p@30 fps; CVBS: PAL: 960H; NTSC: 960H	
Resolution	1080p (1920 × 1080); 960H (960 × 576/960 × 480)	
Day/Night	Auto(ICR)/Color/B/W	

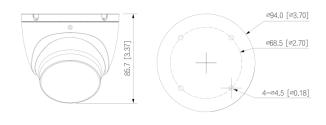
BLC; HLC; DWDR

DWDR

Ordering Information				
Туре	Model	Description		
2MP Camera	WVI035-A	2MP HDCVI Smart Dual Light Eyeball Camera, PAL		

Wall mount; ceiling mount; vertical pole mount

Installation





Video

BLC

WDR