ES-ARNMD-52365 HS

5.0 MP IR Low Light Fixed-Lens Bullet Analog 4 in 1 Camera

- **5.0MP 1/3" Low illumination and high definition image CMOS sensor.**
- **Smart IR allows the image to not get "washed out" by over-exposing the subject.**
- **Best "True Day/Night" with Smart IRC Physical Filter**
- **Analog 4 in 1CVI/CVBS/AHD/TVI Auto switchable.**
- **Max. 20 fps@ 5 MP, 2592 (H) × 1944 (V) resolution**
- **Built-in IR LED, the max. Infrared Radiation distance is 30 Mtr.**
- **Image Features: Support 2D/3D NR, Digital Wide Dynamic Range (WDR) / Automatic Gain Control (AGC).**
- **12 Vdc Power Supply, easy for installation.**

Functions

Smart Infrared Light

Smart IR allows the camera to reduce or increase the level of infrared light it projects based upon the subject's distance. cameras that adjusts the intensity of the camera's infrared LEDs to compensate for the distance of an object so that the infrared does not overexpose the object. This allows the image to not get "washed out" by over-exposing the subject.

Automatic Gain Control (AGC)

In low-light conditions Automatic Gain Control (AGC) to artificially improve their "dynamic range" and produce usable images. AGC is basically a form of amplification where the camera will automatically boost the image so that objects can be seen more clearly. In normal light conditions the camera will display a normal picture.

Analog 4 in 1

The camera supports multiple video formats CVI/CVBS/ AHD/TVI common HD analog formats in the market. The four formats can be switched over through OSD menu or Auto, Compatible with most end users' existing DVRs.

Advanced 3D NR

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

Wide Dynamic Range (WDR)

With high-performance sensor and large aperture lens, Ecovision WDR technology improves a camera's image quality under high-contrast lighting conditions where both dimly and brightly lit areas are present in the field of view. It enables the camera to capture details clearly in both the poorly and strongly illuminated areas of the video.

Protection (IP67, Wide Voltage)

IP67: The camera passes a series of strict test on dust and soak. Wide voltage: The camera allows ±30% (for some power supplies) input voltage tolerance and it is widely applied to outdoor environment with instable voltage.

Technical Specification

Camera

Image Sensor	1/3" CMOS
Max. Resolution	2592 (H) × 1944 (V)
Pixel	5 MP
Scanning System	Progressive
Electronic Shutter Speed	Auto/Manual 1/50 s–1/100,000 s
Min. Illumination	0.006lux@F1.6 (30 IRE) 0 lux (Illuminator on)
S/N Ratio	>56 dB
Illumination Distance	up to 30 m (98.43 ft) (IR)
Illuminator On/Off Control	Auto; Manual
Illuminator Number	12 (IR light)
Pan/Tilt/Rotation Range	Pan: 0°–360° Tilt: 0°–90° Rotation: 0°–360°

Lens

Lens Type	Fixed-LENS				
Focal Length	3.6 mm				
Max. Aperture	F1.6				
Field of View	3.6 mm: H: 78°; V: 41°; D: 94°				
Iris Control	YES				
Close Focus Distance	3.6 mm: 1.6 m (5.25 ft)				
DORI Distance	Lens	Detect	Observe	Recognize	Identify
	3.6 mm	85.4 m (280.18 ft)	34.2 m (112.20 ft)	17.1 m (56.10 ft)	8.5 m (27.89 ft)

Port

Video Output	1 BNC output Support CVI/TVI/AHD/CVBS

Video

Video Frame Rate	CVI: 5M@20 fps, 4M@25 fps/30 fps,, 1080p@25 fps/30 fps; 720@30fps, 720@60fps AHD: 5M@20 fps; TVI: 5M@20 fps; CVBS: 960H
Resolution	5M (2592 × 1944); 4M (2560 × 1440); 1080p (1920 × 1080); 960H (960 × 576/960 × 480))
Day/Night	Auto switch by ICR
BLC	Yes
WDR	120 dB
White Balance	Auto/manual
Gain Control	Auto; Manual
Noise Reduction	3D NR
Smart IR	Yes
Region of Interest (RoI)	Yes (4 areas)
Mirror	Off/on
Privacy Masking	YES

Power

Power Supply	12V ±30% DC
Power Consumption	Max 3.7W (12V DC, IR light on)