ES NDAMB 54368 EZ

5 MP AI Smart Dual Light Fixed-Lens Built in Mic Bullet Network Camera

- **5.0 MP 1/3" SC401AI Low illumination and high definition image CMOS sensor.**
- **Smart Hybrid Light provide three supplemental lighting modes: IR mode, white light mode, and smart mode.**
- **Advanced H.265+ (Compatible with H.265/H.264) video compression, super low rate, HD quality image.**
- **Support ONVIF, access third party, Support various mobile monitoring, Support cloud technology.**
- **Built-in warm light/IR LED, the max. Illumination distance is 30 mtr and themax. warm light distance is 30 m.**
- **Image Features: Support 2D/3D NR, Digital Wide Dynamic Range (WDR) / Automatic Gain Control (AGC).**
- **Sound Management: 30 ft of audio pickup range with its built-in MIC and noise reduction algorithms.**
- **12 VDC/PoE power supply, easy for installation.**

Functions

Artificial Intelligence

In the field of physical security, Ecovision Artificial Intelligence analytics uses powerful algorithms to automate detection, categorization, and analysis of objects and motions in a camera’ s view. It reduces costs, speeds up responses, and facilitates new practices and processes.

Smart Dual Light

Smart Dual light technology adopts smart algorithm to accurately detect objects. The IR illuminator is normally on at night. When the object is detected by the camera, the warm light turns on and the camera records the full-color video and information of key events. When the objects is out of the monitored area, the warm light turns off and the IR illuminator turns back on, which helps reduce light pollution.

Humanoid Detection

Advanced algorithms are used to differentiate and send an alarm when human and vehicular shapes are detected. False alerts are filtered for up to 95% accuracy, saving customers the hassle of unwanted alarms. Video clips recorded with Motion Detection enabled cameras get sorted into "Files". Making it easy to play back, review and retrieve historical information. Motion Detection alerts can be viewed on the Mobile app for iOS and Android.

Perimeter Protection

Perimeter security is a term that represents a broad range of physical security options such as access control, gates, barriers and other security controls, a camera with video analytics protect the perimeter in a reliable and cost-effective manner.

Smart H.265+

The H265+ codec an intelligent algorithm that can greatly decrease the bitrate of video based on a standard H.265 codec. With H.265+, video quality nearly matches that of H.265/HEVC but reduces the transmission bandwidth and storage capacity required, due to three key technologies — prediction encoding, noise suppression, and flexible bitrate control. It demonstrates incredible improvements in bandwidth reduction, data storage efficiency, and video content analyses.

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.

Built-in mic

With High- Fidelity microphone, Ecovision built-in mic can effectively filtered noise and save live sound. simply connect the camera to your recorder and make sure the audio stream is enabled. Do not require any additional cable or accessories and send audio mixed directly with the video stream.

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 (wide voltage range), and it is widely applied tooutdoor environment with instable voltage.

Technical Specification

Camera

Image Sensor	1/3" CMOS
Max. Resolution	2560 (H) × 1920 (V)
Scanning System	Progressive
Electronic Shutter Speed	Auto/Manual 1/50 s–1/100,000 s
Min. Illumination	0.006 lux@F1.6 (Color, 30 IRE) 0.0006 lux@F1.6 (B/W, 30 IRE) 0 lux (Illuminator on)
S/N Ratio	>56 dB
Illumination Distance	up to 30 m (98.43 ft) (IR); up to 30 m (98.43 ft) (Warm light)
Illuminator On/Off Control	Auto; Manual
Illuminator Number	4 (IR LED); 4 (Warm light)
Pan/Tilt/Rotation Range	Pan: 0°–360° Tilt: 0°–180° 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: 1.7 m (5.58 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)

Intelligence

Intelligence analysis	Supporting human detection, face detection, and support to customize other intelligent functions
Smart Search	Work together with Smart NVR to perform refine intelligent search, event extraction and merging to event videos

Video

Video Compression	H.264H; H.265; H.264; H.264B; MJPEG (Only supported by the sub stream)
Smart Codec	Smart H.265+, Smart H.264+
Video Frame Rate	Main stream: 2560 × 1920@(1–20 fps)/ 2560×1440@(1–25/30 fps) Sub stream: 720 × 576@(1–25 fps)/ VGA : 640 × 3600@(1–30 fps) *The values above are the max. frame rates of each stream; for multiple streams, the values will be subjected to the total encoding capacity.
Stream Capability	2 streams
Resolution	2560 × 1920(2560 × 1920); 2560 × 1440 (2560 × 1440); 3M (2048 × 1536); 2304 × 1296 (2304 × 1296); 1080p (1920 × 1080); 1.3M (1280 × 960); 720p (1280 × 720); D1 (704 × 576/704 × 480); VGA (640 × 480); CIF (352 × 288/352 × 240
Bit Rate Control	CBR/VBR
Video Bit Rate	H.265: 12 kbps–8192 kbps
Day/Night	Auto(ICR)/Color/B/W
BLC	Yes
WDR	120 dB
White Balance	Auto; natural; street lamp; outdoor; manual; regional custom
Gain Control	Auto; Manual
Noise Reduction	3D NR
Motion Detection	OFF/ON (rectangular)
Region of Interest (RoI)	Yes (4 areas)
Image Rotation	0°/90°/180°/270° (Support 90°/270° with 2688 × 1520 resolution and lower)
Mirror	Yes
Privacy Masking	YES
Anti Flicker	Yes

Audio

Built-in MIC	Yes
Audio Compression	G.711a; G.711Mu; PCM; G.726

Network

Network Port	RJ-45 (10/100 Base-T)
SDK and API	Yes
Network Protocol	IPv4; IPv6; HTTP; TCP; UDP; ARP; RTP; RTSP; RTCP; RTMP; SMTP; FTP; SFTP; DHCP; DNS; DDNS; NTP; Multicast; ICMP; IGMP
Interoperability	ONVIF (Profile S/Profile T); CGI; P2P; Milestone
User/Host	20 (Total bandwidth: 48 M)
Storage	FTP; SFTP;
Browser	IE; Chrome; Firefox
Management Software	EZView
Mobile Client	iOS; Android

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