



EW-IP8050B

With features of simple installation, easy operation, and high performance-cost ratio, This Series camera is applicable to small and medium-sized scenes, such as homes/residences, small-sized retail stores, and other small and medium-sized enterprises. This product uses the latest PoE technology to troubleshoot the occurrence of any issues in the system making it easier to use. With the help of this technology, your camera now only consumes energy directly from the power supply and doesn't require any mid-way switches. Regions of Interest (ROI) is a user defined feature that allows the operator to monitor specific areas of a scene while still maintaining overall situational awareness of less important areas

Key Features-



- ❖ 1/1.8" Progressive Scan CMOS
- ❖ 2688×1520@30 fps, MJPEG up to 1920×1080@30 fps
- ❖ 10~50 mm Motorized Lenses
- ❖ Color: 0.001 Lux @ (F1.2, AGC ON)
- ❖ H.265, H.265+, H.264, H.264+
- ❖ 140 dB WDR
- ❖ 3D DNR
- ❖ IR range up to 30 Meter
- ❖ Built-in Micro SD/SDHC/SDXC Card Slot, up to 256 GB
- ❖ Alarm I/O

Specification

Camera

Image Sensor:	1/1.8" Progressive Scan CMOS Image Sensor (1.411CM)
Processor:	High-Performance Embedded Processor
Scanning System:	Progressive
Min. Illumination:	Color: 0.0001 Lux @ (F1.2, AGC On), B/W: 0.00001 Lux with IR On
Effective Pixels:	2688(H) x 1520(V)
Shutter Time:	1/50s – 1/1000000 sec
Slow Shutter:	Yes
Shutter Mode:	Single Shutter
P-IRIS	Yes
DNR:	3D DNR

	Max. Image Resolution:	4 Mega Pixel (2688x1520) @ 50fps/60fps
	Day& Night:	IR Cut Filter.
	WDR:	DWDR 140db
	BLC/GC/SI:	Auto/Manual
	Gain Control:	Auto/Manual
	NR:	3D DNR
	S/N Ratio:	>56db
	Back Light Compensation:	Auto BLC/HLC/WDR/140dB
	White Balance:	Auto/Manual/Natural/Street Lamp/Outdoor/Regional
	Angle Adjustment:	Pan: 0° to 360°, tilt: 0° to 180°, rotate: 0° to 360°
Camera Lens	Focal Length:	10~50 MM Lens
	Lens Type:	Motorized Varifocal Lens
	Lens Mount:	Integrated
	IRIS Control:	Fixed/Auto/Manual/P IRIS
	Max Aperture:	F1.33
	Focus:	Auto, Semi-Auto, Manual
	Field of View:	Horizontal: 9.4° -40.8° Vertical: 5.4° -22.9° Diagonal: 10.7° -46.9°
	Built in ANPR:	Automatic License Plate Recognition System
IR	IR Range:	Up to 30 Meter
	Wavelength:	850nm
Sharpness	HLC:	50Hz:25fps CIF (352×288) 60Hz:30fps CIF (352×240)
	BLC:	Support
	OSD:	8 OSD
	ROI:	2 Area
	Defog:	Support
Compression	Video Compression:	Main Stream: H.265/H.264/H.265+/H.264+ Sub Stream/ Third Stream/Fourth Stream/Fifth Stream/Custom Stream: H.265/H.264/MJPEG
	H.264 Type:	Baseline Profile/Main Profile/High Profile
	H.264+:	Main Stream Supports
	H.265 Type:	Main Profile
	H.265+:	Main stream supports
	Bit Rate Control:	CBR, VBR

	Video Bit Rate:	H.264: 32kbps-32767kbps; H.265: 32kbps-32767kbps; MJPEG: 512kbps-32767kbps
	Audio Compression:	G.711/G.722.1/G.726/MP2L2/PCM
	Audio Bit Rate:	64Kbps (G.711)/16Kbps (G.722.1)/16Kbps (G.726)/32-192Kbps (MP2L2)/32Kbps (PCM)
Image	Max. Resolution:	2688x1520
	Video Resolution:	4M (2688 × 1520)/1080P (1920 × 1080)/UXGA (1600 × 1200)/720P (1280 × 720)/D1 (704 × 576)/CIF (352 × 288)
	Video Frame Rate:	Main Stream: (2688 × 1520@25/30fps), (1920 × 1080@ 50/60fps) Sub Stream: (1600 × 1200@25/30fps)
	Image Enhancement:	BLC, HLC, 3D DNR, 120dB WDR
	Image Tampering Prevention:	Watermark and verification for Video and Picture
	Image Setting:	Rotate Mode, Saturation, Brightness, Contrast, Sharpness, Hue, Adjustable by Client Software or Web Browser
	Target Cropping:	Yes
	Picture Encoding Format:	JPEG/PVG
	SVC:	H.264 and H.265 Encoding
Audio	Audio Support:	Yes
	Environmental Noise Filtering:	Yes
	Audio Sampling Rate:	8 kHz/16 kHz/32 kHz/44.1 kHz/48 kHz
Network	Network Storage:	Micro SD/SDHC/SDXC card (512 GB), local storage and NAS (NFS, SMB/CIFS), ANR
	Alarm Event:	Storage Full, Storage Error, External Alarm, No Storage Card, License Plate Blocklist, Illegal Access, Network Disconnection, and IP Conflict
	Event Trigger:	Abnormality Detection: Motion Detection, Video Tempering, No SD Card, SD Card Full, SD Card Error, Network Disconnected, IP Conflict, Illegal Access, Voltage Detection
	Protocols:	TCP/IP, ICMP, HTTP, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, Qos, IPvS, UDP, Bonjour
	Simultaneous View:	Up To 20 Channels
	Users:	32
	Privacy Masking:	4 Areas
	Mobile:	iPhone, iPad, Android
	Security Measures:	Password Protection, HTTPS Encryption, IEEE 802.1x port-Based Network Access Control, IP Address Filter, Basic and Digest Authentication for HTTP/HTTPS, WSSE and Digest Authentication for ONVIF
	Compatible Integration:	ONVIF (Profile S), SDK & API

	Mirror:	Yes
	Encrypted Data Transmission:	HTTPS (SSL/TSL)
	Web Browser:	IE8+, Chrome41.0-44, Firefox30.0-51, Safari8.0-11
	General Function:	One-key Reset, Anti-Flicker, 5 Streams and up to 5 Custom Streams, Heartbeat, Password Protection, Privacy Mask, Watermark, IP Address Filter
Interface	Communication Interface:	1 RJ45 10M / 100M Ethernet Interface Port
	Audio:	1 Input, 1 Output, Mono Sound
	Alarm:	3 Input, 2 Output
	Video Output:	1Vp-p composite output (75 Ω/ CVBS)
	Reset Button:	Yes
	Storage:	Built-in micro-SD/SDHC/SDXC slot, up to 256 GB
Smart Features	OSD Overlay:	Motor Vehicles: Time, Lane (Number, Direction), Plate (Number and Color), Speed, Region, Vehicle Color, Vehicle Logo, Vehicle Type Non-Motor Vehicle: Plate (Number and Color)
	Behavior Analysis:	Line Crossing Detection, Intrusion Detection, Region Entrance Detection, Region Exiting Detection, Unattended Baggage Detection, Object Removal detection
	Drawing Detection Line:	Yes
	Exception Detection:	Scene Change Detection, Defocus Detection
	Exposer Mode:	Full Auto, Customized Auto, Customized
	Statistics:	Counting
	Vehicle Type Recognition:	Vehicle Head: Coach Bus, Medium Bus, SUV, MPV, Pickup, Heavy Truck, Medium Truck, Car, Van, and Light Truck Vehicle Tail: SUV, Car, Van, Coach Bus, Pickup, Cargo Truck, Mini Truck, Tank Truck, and Mixer Truck
	Vehicle Color Recognition:	White, Pink, Black, Red, Yellow, Gray, Blue, Green, Amber, Purple, Brown, Silver Gray (Color Can- Not Be Recognized in IR Mode During Night Time)
	Vehicle Logo Recognizing:	Acura; Alfaromeo; Ashok leyland; Astonmartin; Audi; Baic; Bently; Benz; BMW; Buick; BYD; Cadillac; Chery; Chevrolet; Chrysler; Citroen; Dacia; Daihatsu; Datsun; Dodge; DS; Ferrari; Fiat; Force; Ford; Foton; Geely; GMC; Greatwall; Hino; Honda; Hyundai; Infiniti; Isuzu; Iveco; Jac; Jaguar; Jeep; Kia; Kinglong; Land; Lexus; Lifan; Lincoln; Mahindra; MAN; Maserati; Mazda; Mercury; MG; Mini; Mitsubishi; Nissan; Opel; Peugeot; Porsche; Renault; Rollsroyce; Saab; Scania; Seat; Skoda; Smart; Subaru; Suzuki; Tata; Tesla; Toyota; UD; Volkswagen; Volvo
	Video Metadata:	Motor Vehicle: License Plate, Vehicle Type, Vehicle Color, License Plate Color, Vehicle Logo, etc. Non-Motor Vehicle: Type (Two-wheelers, Three-wheelers), Color, Wearing a Helmet or Not, Passenger (1, 2, 3)
	License Plate Recognition:	Yes

	Lane Coverage:	1-2 Lanes
	Target Detection:	Motor Vehicles and Non-Motor Vehicles
	Smart Detection:	Tripwire, Intrusion
	Region of Interest:	Main Stream/Sub Stream/Third Stream/Fourth Stream/Fifth Stream: 4 Fixed Regions for Each Stream and Dynamic Face Tracking
General	General Function:	Anti-flicker, Heartbeat, Mirror, Password Protection, Privacy Masks, Watermark, IP Address Filter
	Operating Conditions:	-40°C to +65°C (−40°F to +149°F)
	Humidity:	10%–90%
	Storage Temperature:	-40 °C to +65 °C (−40 °F to +149 °F)
	Power Supply:	PoE (802.3AT, 42.5V TO 57V), 0.5A TO 0.3A, MAX 18w
	Power Consumption:	12 VDC, 1.2A, MAX 13 W
	Weather Proof:	IP 67 IK10
	Weight:	480g
	Casing:	Matel
	Certification:	BIS, CE, FC, ROHS, GDPR
	Country of Origin:	India