



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

EW-IP4080BVF

Key Features-



- ❖ 1/2.8" Progressive Scan CMOS
- ❖ 2592×1520@30 fps, MJPEG up to 1920×1080@30 fps
- ❖ 2.8 To 12 mm Motorized Varifocal Lenses
- ❖ Color: 0.02 Lux @ (F2.0, AGC ON)
- ❖ H.265, H.265+, H.264, H.264+
- ❖ 120 dB WDR
- ❖ 3D DNR
- ❖ IR Range up to 80 Meter
- ❖ Alarm I/O

Specification

Camera	Image Sensor:	1/2.8" Progressive Scan CMOS Image Sensor
	Scanning System:	PAL/NTSC
	Min. Illumination:	Color: 0.02 Lux @ (F2.0, 30 IRE) B/W: 0 Lux with IR On
	Shutter Time:	1/1s – 1/100000 sec
	Slow Shutter:	Yes
	P-IRIS	Yes
	DNR:	3D DNR
	Max. Image Resolution:	4 Mega Pixel (2592x1520) @ 50fps/60fps
	Day& Night:	IR Cut Filter.

	<table border="1"> <tr> <td>WDR:</td> <td>DWDR 150db</td> </tr> <tr> <td>BLC/GC/SI:</td> <td>Auto/Manual</td> </tr> <tr> <td>Gain Control:</td> <td>Auto/Manual</td> </tr> <tr> <td>NR:</td> <td>3D DNR</td> </tr> <tr> <td>S/N Ratio:</td> <td>>52db</td> </tr> <tr> <td>White Balance:</td> <td>Auto/Manual/Natural/Street Lamp/Outdoor/Regional</td> </tr> <tr> <td>Back Light Compensation:</td> <td>BLC/HLC/WDR (120DB)</td> </tr> <tr> <td>Angle Adjustment:</td> <td>Pan: 0° to 360°, tilt: 0° to 75°, rotate: 0° to 360°</td> </tr> </table>	WDR:	DWDR 150db	BLC/GC/SI:	Auto/Manual	Gain Control:	Auto/Manual	NR:	3D DNR	S/N Ratio:	>52db	White Balance:	Auto/Manual/Natural/Street Lamp/Outdoor/Regional	Back Light Compensation:	BLC/HLC/WDR (120DB)	Angle Adjustment:	Pan: 0° to 360°, tilt: 0° to 75°, rotate: 0° to 360°
WDR:	DWDR 150db																
BLC/GC/SI:	Auto/Manual																
Gain Control:	Auto/Manual																
NR:	3D DNR																
S/N Ratio:	>52db																
White Balance:	Auto/Manual/Natural/Street Lamp/Outdoor/Regional																
Back Light Compensation:	BLC/HLC/WDR (120DB)																
Angle Adjustment:	Pan: 0° to 360°, tilt: 0° to 75°, rotate: 0° to 360°																
Camera Lens	<table border="1"> <tr> <td>Focal Length:</td> <td>2.8~12MM</td> </tr> <tr> <td>Lens Type:</td> <td>Motorized Varifocal Lens</td> </tr> <tr> <td>Lens Mount:</td> <td>M14</td> </tr> <tr> <td>IRIS Type:</td> <td>Auto-IRIS</td> </tr> <tr> <td>Max Aperture:</td> <td>F1.6~F3.3</td> </tr> <tr> <td>Field of View:</td> <td>2.8 to 12MM: horizontal FOV 100.4° to 26.8°, vertical FOV56° to 18.5°, diagonal FOV 130.9° to 37.8°</td> </tr> <tr> <td>Focus:</td> <td>Auto, Semi-Auto, Manual</td> </tr> <tr> <td>Close Focus Distance:</td> <td>0.8 m</td> </tr> </table>	Focal Length:	2.8~12MM	Lens Type:	Motorized Varifocal Lens	Lens Mount:	M14	IRIS Type:	Auto-IRIS	Max Aperture:	F1.6~F3.3	Field of View:	2.8 to 12MM: horizontal FOV 100.4° to 26.8°, vertical FOV56° to 18.5°, diagonal FOV 130.9° to 37.8°	Focus:	Auto, Semi-Auto, Manual	Close Focus Distance:	0.8 m
Focal Length:	2.8~12MM																
Lens Type:	Motorized Varifocal Lens																
Lens Mount:	M14																
IRIS Type:	Auto-IRIS																
Max Aperture:	F1.6~F3.3																
Field of View:	2.8 to 12MM: horizontal FOV 100.4° to 26.8°, vertical FOV56° to 18.5°, diagonal FOV 130.9° to 37.8°																
Focus:	Auto, Semi-Auto, Manual																
Close Focus Distance:	0.8 m																
IR	<table border="1"> <tr> <td>IR Range:</td> <td>Up to 80 Meter</td> </tr> <tr> <td>Wavelength:</td> <td>850nm</td> </tr> <tr> <td>Open Resources:</td> <td>Memory: 60 MB, Smart RAM: 400 MB, eMMC: 2 GB</td> </tr> </table>	IR Range:	Up to 80 Meter	Wavelength:	850nm	Open Resources:	Memory: 60 MB, Smart RAM: 400 MB, eMMC: 2 GB										
IR Range:	Up to 80 Meter																
Wavelength:	850nm																
Open Resources:	Memory: 60 MB, Smart RAM: 400 MB, eMMC: 2 GB																
Sharpness	<table border="1"> <tr> <td>HLC:</td> <td>50Hz:25fps CIF (352×288) 60Hz:30fps CIF (352×240)</td> </tr> <tr> <td>BLC:</td> <td>Support</td> </tr> <tr> <td>OSD:</td> <td>8 OSD</td> </tr> <tr> <td>ROI:</td> <td>Fixed 5Area</td> </tr> <tr> <td>Defog:</td> <td>Support</td> </tr> </table>	HLC:	50Hz:25fps CIF (352×288) 60Hz:30fps CIF (352×240)	BLC:	Support	OSD:	8 OSD	ROI:	Fixed 5Area	Defog:	Support						
HLC:	50Hz:25fps CIF (352×288) 60Hz:30fps CIF (352×240)																
BLC:	Support																
OSD:	8 OSD																
ROI:	Fixed 5Area																
Defog:	Support																
Compression	<table border="1"> <tr> <td>Video Compression:</td> <td>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</td> </tr> <tr> <td>H.264 Type:</td> <td>Baseline Profile/Main Profile/High Profile</td> </tr> <tr> <td>H.264+:</td> <td>Main Stream Supports</td> </tr> <tr> <td>H.265 Type:</td> <td>Main Profile</td> </tr> <tr> <td>H.265+:</td> <td>Main stream supports</td> </tr> <tr> <td>Video Bit Rate:</td> <td>32Kbps~6Mbps</td> </tr> <tr> <td>Bit Rate Control:</td> <td>CBR/VBR</td> </tr> <tr> <td>Audio Compression:</td> <td>G.711A/G.711Mu/G.726/AAC</td> </tr> </table>	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	Video Bit Rate:	32Kbps~6Mbps	Bit Rate Control:	CBR/VBR	Audio Compression:	G.711A/G.711Mu/G.726/AAC
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																
Video Bit Rate:	32Kbps~6Mbps																
Bit Rate Control:	CBR/VBR																
Audio Compression:	G.711A/G.711Mu/G.726/AAC																

	Audio Bit Rate:	64Kbps(G.711)/16Kbps(G.722.1)/16Kbps (G.726)/32-192Kbps(MP2L2)/32Kbps(PCM)
Image	Resolution:	2592x1520
	Streaming:	Main Stream PAL: 25fps (2592x1520, 2560x1440, 2304x1296, 1920x1080, 1280x720) NTSC: 25fps (2592x1520, 2560x1440), 30fps (2304x1296, 1920x1080,1280x720), Sub Stream PAL: 25fps (704x576, 704x288, 640x360, 352x288) NTSC: 30fps (704x480, 704x240, 640x360, 352x240),
	Image Enhancement:	BLC, HLC, 3D DNR, Defog, EIS, ROI, AWB, AGC
	Image Setting:	Rotate Mode, Saturation, Brightness, Contrast, Sharpness, Hue, Adjustable by Client Software or Web Browser
	Target Cropping:	Yes
	SVC:	H.264 and H.265 Encoding
	e-PTZ:	Support Patrol and Auto Tracking settings
	Audio	Audio Support:
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 (256 GB), local storage and NAS (NFS,SMB/CIFS), ANR
	Basic Event:	Motion detection, video tampering alarm, exception
	Smart Event:	scene change detection, audio exception detection, defocus detection, unattended baggage detection, object removal detection
	Event Trigger:	Motion detection, video tampering, no SD card, SD card full, SD card error, network disconnected, IP conflict, illegal access, local alarm, voltage detection, audio abnormal
	Protocols:	HTTP; TCP; ARP; RTSP; RTP; UDP; RTCP; SMTP; FTP; DHCP; DNS; DDNS; PPPoE; IPv4/v6; QoS; UPnP; NTP; RTMP; Multicast; HTTPS; SFTP; 802.1x; ICMP; IGMP; ONVIF (Profile S/Profile G); CGI; P2P;Milestone;Genetec
	Simultaneous View:	Up To 20 Channels
	Users:	20
	Motion Detection:	4 Areas
	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

	<table border="1"> <tr> <td data-bbox="391 107 792 195">Smart Detection:</td> <td data-bbox="792 107 1490 195">Intrusion; Tripwire, Object Abandoned/Missing, Face Detection</td> </tr> <tr> <td data-bbox="391 195 792 247">Compatible Integration:</td> <td data-bbox="792 195 1490 247">ONVIF (Profile S), API</td> </tr> <tr> <td data-bbox="391 247 792 300">Desktop CMS:</td> <td data-bbox="792 247 1490 300">Window and MAC Support</td> </tr> <tr> <td data-bbox="391 300 792 352">Mirror:</td> <td data-bbox="792 300 1490 352">Yes</td> </tr> <tr> <td data-bbox="391 352 792 405">Encrypted Data Transmission:</td> <td data-bbox="792 352 1490 405">HTTPS (SSL/TSL)</td> </tr> <tr> <td data-bbox="391 405 792 457">Web Browser:</td> <td data-bbox="792 405 1490 457">IE8+, Chrome41.0-44, Firefox30.0-51, Safari8.0-11</td> </tr> <tr> <td data-bbox="391 457 792 577">General Function:</td> <td data-bbox="792 457 1490 577">One-key Reset, Anti-Flicker, 5 Streams and up to 5 Custom Streams, Heartbeat, Password Protection, Privacy Mask, Watermark, IP Address Filter</td> </tr> </table>	Smart Detection:	Intrusion; Tripwire, Object Abandoned/Missing, Face Detection	Compatible Integration:	ONVIF (Profile S), API	Desktop CMS:	Window and MAC Support	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				
Smart Detection:	Intrusion; Tripwire, Object Abandoned/Missing, Face Detection																		
Compatible Integration:	ONVIF (Profile S), API																		
Desktop CMS:	Window and MAC Support																		
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	<table border="1"> <tr> <td data-bbox="391 590 792 642">Communication Interface:</td> <td data-bbox="792 590 1490 642">1 RJ45 10M / 100M Ethernet Interface Port</td> </tr> <tr> <td data-bbox="391 642 792 695">Audio:</td> <td data-bbox="792 642 1490 695">1 Input, 1 Output, Mono Sound</td> </tr> <tr> <td data-bbox="391 695 792 747">Alarm:</td> <td data-bbox="792 695 1490 747">2 Input, 2 Output</td> </tr> <tr> <td data-bbox="391 747 792 800">Video Output:</td> <td data-bbox="792 747 1490 800">1Vp-p composite output (75 Ω/ CVBS)</td> </tr> <tr> <td data-bbox="391 800 792 852">On Board Storage:</td> <td data-bbox="792 800 1490 852">Support SD/Micro SD Card Up to 512GB</td> </tr> <tr> <td data-bbox="391 852 792 905">Reset Button:</td> <td data-bbox="792 852 1490 905">Yes</td> </tr> </table>	Communication Interface:	1 RJ45 10M / 100M Ethernet Interface Port	Audio:	1 Input, 1 Output, Mono Sound	Alarm:	2 Input, 2 Output	Video Output:	1Vp-p composite output (75 Ω/ CVBS)	On Board Storage:	Support SD/Micro SD Card Up to 512GB	Reset Button:	Yes						
Communication Interface:	1 RJ45 10M / 100M Ethernet Interface Port																		
Audio:	1 Input, 1 Output, Mono Sound																		
Alarm:	2 Input, 2 Output																		
Video Output:	1Vp-p composite output (75 Ω/ CVBS)																		
On Board Storage:	Support SD/Micro SD Card Up to 512GB																		
Reset Button:	Yes																		
Smart Features	<table border="1"> <tr> <td data-bbox="391 926 792 978">Features:</td> <td data-bbox="792 926 1490 978">MD, Intrusion; Tripwire, ROI, EIS, Video Tampering</td> </tr> <tr> <td data-bbox="391 978 792 1094">Behavior Analysis:</td> <td data-bbox="792 978 1490 1094">Line Crossing Detection, Intrusion Detection, Region Entrance Detection, Region Exiting Detection, Unattended Baggage Detection, Object Removal detection</td> </tr> <tr> <td data-bbox="391 1094 792 1146">Exception Detection:</td> <td data-bbox="792 1094 1490 1146">Scene Change Detection, Defocus Detection</td> </tr> <tr> <td data-bbox="391 1146 792 1199">Face Detection:</td> <td data-bbox="792 1146 1490 1199">Yes</td> </tr> <tr> <td data-bbox="391 1199 792 1251">People Counting:</td> <td data-bbox="792 1199 1490 1251">Yes</td> </tr> <tr> <td data-bbox="391 1251 792 1375">Region of Interest:</td> <td data-bbox="792 1251 1490 1375">Main Stream/Sub Stream/Third Stream/Fourth Stream/Fifth Stream: 4 Fixed Regions For Each Stream And Dynamic Face Tracking</td> </tr> </table>	Features:	MD, Intrusion; Tripwire, ROI, EIS, Video Tampering	Behavior Analysis:	Line Crossing Detection, Intrusion Detection, Region Entrance Detection, Region Exiting Detection, Unattended Baggage Detection, Object Removal detection	Exception Detection:	Scene Change Detection, Defocus Detection	Face Detection:	Yes	People Counting:	Yes	Region of Interest:	Main Stream/Sub Stream/Third Stream/Fourth Stream/Fifth Stream: 4 Fixed Regions For Each Stream And Dynamic Face Tracking						
Features:	MD, Intrusion; Tripwire, ROI, EIS, Video Tampering																		
Behavior Analysis:	Line Crossing Detection, Intrusion Detection, Region Entrance Detection, Region Exiting Detection, Unattended Baggage Detection, Object Removal detection																		
Exception Detection:	Scene Change Detection, Defocus Detection																		
Face Detection:	Yes																		
People Counting:	Yes																		
Region of Interest:	Main Stream/Sub Stream/Third Stream/Fourth Stream/Fifth Stream: 4 Fixed Regions For Each Stream And Dynamic Face Tracking																		
General	<table border="1"> <tr> <td data-bbox="391 1388 792 1482">General Function:</td> <td data-bbox="792 1388 1490 1482">Anti-flicker, Heartbeat, Mirror, Password Protection, Privacy Masks, Watermark, IP Address Filter</td> </tr> <tr> <td data-bbox="391 1482 792 1566">Operating Conditions:</td> <td data-bbox="792 1482 1490 1566">-30 °C ~ 60 °C (-40 °F ~ 140 °F) Humidity 95% or less (non-condensing)</td> </tr> <tr> <td data-bbox="391 1566 792 1619">Power Supply:</td> <td data-bbox="792 1566 1490 1619">PoE (802.3AT, 42.5V TO 57V), 0.5A TO 0.3A, MAX 18w</td> </tr> <tr> <td data-bbox="391 1619 792 1671">Power Consumption:</td> <td data-bbox="792 1619 1490 1671">12 VDC, 1.2A, MAX 9.6 W</td> </tr> <tr> <td data-bbox="391 1671 792 1724">Casing:</td> <td data-bbox="792 1671 1490 1724">Metal/Plastic</td> </tr> <tr> <td data-bbox="391 1724 792 1776">Weather Proof:</td> <td data-bbox="792 1724 1490 1776">IP 67 IK10</td> </tr> <tr> <td data-bbox="391 1776 792 1829">Weight:</td> <td data-bbox="792 1776 1490 1829">350g</td> </tr> <tr> <td data-bbox="391 1829 792 1881">Certification:</td> <td data-bbox="792 1829 1490 1881">BIS, CE, FC, ROHS</td> </tr> <tr> <td data-bbox="391 1881 792 1934">Country of Origin:</td> <td data-bbox="792 1881 1490 1934">India</td> </tr> </table>	General Function:	Anti-flicker, Heartbeat, Mirror, Password Protection, Privacy Masks, Watermark, IP Address Filter	Operating Conditions:	-30 °C ~ 60 °C (-40 °F ~ 140 °F) Humidity 95% or less (non-condensing)	Power Supply:	PoE (802.3AT, 42.5V TO 57V), 0.5A TO 0.3A, MAX 18w	Power Consumption:	12 VDC, 1.2A, MAX 9.6 W	Casing:	Metal/Plastic	Weather Proof:	IP 67 IK10	Weight:	350g	Certification:	BIS, CE, FC, ROHS	Country of Origin:	India
General Function:	Anti-flicker, Heartbeat, Mirror, Password Protection, Privacy Masks, Watermark, IP Address Filter																		
Operating Conditions:	-30 °C ~ 60 °C (-40 °F ~ 140 °F) Humidity 95% or less (non-condensing)																		
Power Supply:	PoE (802.3AT, 42.5V TO 57V), 0.5A TO 0.3A, MAX 18w																		
Power Consumption:	12 VDC, 1.2A, MAX 9.6 W																		
Casing:	Metal/Plastic																		
Weather Proof:	IP 67 IK10																		
Weight:	350g																		
Certification:	BIS, CE, FC, ROHS																		
Country of Origin:	India																		