IC REALTIME™ | OPTIC

OPTIC-6s2-BM5-IXO-B/W

IC Realtime 5MP AI 2.7-13.5mm 60m IR IP67 Starlight+ Motorised Bullet

The OPTIC-6s2-BM5-IXO-W/B is a 5MP IP IP67 AI bullet camera with an optical 2.7-13.5mm lens and Starlight+ technology. It is designed to provide exceptional low-light performance, making it ideal for considerably dark areas with minimal illumination ranging from 0.005 to 0.0007 lux, such as locations with streetlight coverage. Equipped with Smart IR, it offers a viewing distance of up to 60m, ensuring clear and detailed footage even in challenging lighting conditions.

| 5MP Resolution | IP 0101 1011 0110 TECHNOLOGY | SMART Codec | 60M Smart IR | INTELLIGENCE DETECTION |

Featuring a remarkable True 120dB Wide Dynamic Range (WDR), the camera ensures even illumination throughout the entire scene. This allows for clear visibility of objects in both bright and dark areas, minimizing overexposure and underexposure. The OPTIC-6s2-BM5-IXO-W/B utilizes an Ambarella SoC, enabling H.265 compression (High Efficiency Video Coding) as a standard feature. H.265 is a video compression technology that significantly reduces bandwidth consumption and improves HDD storage requirements. Compared to the previous H.264 codec, H.265 can compress video files to approximately half the size or bit rate while maintaining the same level of visual quality.

Excitingly, the 6th Series in the Optic range now incorporates sought-after Smart AI features, including SMD Plus (Smart Motion Detection) and Human/Vehicle Intelligent Video System (IVS) detection. These advanced functions effectively minimize false alarm activations by up to 95%, enhancing the camera's ability to accurately detect and identify human and vehicle movement, thereby increasing security and reducing unnecessary notifications.

Moreover, the OPTIC-6s2-BM5-IXO-W/B is ONVIF compliant, ensuring seamless compatibility with third-party recorders and Video Management Systems (VMS). This allows for easy integration into existing surveillance setups, providing flexibility and convenience for users.

PERFORMANCE

Image Sensor	1/2.7" CMOS
Chipset	Ambarella
RAM/ROM	256MB / 128MB
Effective Pixels	2592(H) x 1944(V)
Video Compression	H.265+, H.265, H.264H, H.264B
Audio Compression	G.711a; G.711Mu; PCM; G.726
Resolution (Max)	5MP
Streams (Total)	2
- Main Stream	5MP 2960 x 1668 (1~20FPS)
- Sub Stream	D1 704 x 576 (1~25FPS)
- Third Stream	-
Bit Rate	32 ~ 8,192Kbps (H.264) 12 ~ 8,192Kbps (H.265)
Blacklight Compensation	BLC / HLC
Wide Dynamic Range	WDR (120dB)
White Balance	Auto / Manual / Presets
Gain Control	Auto /Manual
Noise Reduction	3D DNR
Privacy Masking	4 areas
Special Functions	Scene Self Adaption (SSA) / Rotate

LENS

Focal Length	2.7mm - 13.5mm
Max Aperture	Motorised
Focus Control	F1.5
Angle of View	H: 97°, V: 71°, D: 129°
Detect (DORI)	25px/m - Wide = 64.0m
Observe (DORI)	63px/m - Wide = 25.6m
Recognize (DORI)	125px/m - Wide = 12.8m
Identify (DORI)	250px/m - Wide = 6.4m

DAY & NIGHT

Min. Illumination	Colour 0.007 Lux @ F1.5, B/W 0.0007 @F1.5, 0 Lux @ F1.5 (IR On)
Day/Night	Auto (ICR) / Colour/ B&W
IR Distance	60m (Smart IR)

CONNECTIVITY

Ethernet	1 - RJ45 (10/100Base-T)
Built In Mic	yes
Alarm Input	1
Alarm Output	1
Audio Input	1
Audio Output	1
RS-485	–
Memory Slot	Micro SD (Max 256GB)

SOFTWARE

Network Functions	IPv4; IPv6; HTTP; TCP; UDP; ARP; RTP ; RTSP; RTCP; RTMP; SMTP; FTP; SFTP; DHCP; DNS; DDNS; QoS; UPnP; NTP; Multicast; ICMP; IGMP; NFS; PPPoE
Smart Phone/ Tablet	EasyViewer / DMSS / ICView
PC/ Mac Software	SmartPSS / Web Browser
Interoperability	ONVIF, PSIA, CGI
Intelligent Functions	Vehicle/Human Perimeter Protection SMD Plus
Trigger Mode	Manual / Auto (alarm triggered)
Trigger Event	Manual / Auto (alarm triggered)

ENVIRONMENTAL

Power	12v DC (±30%), PoE (802.3af, Class 0)
Consumption	7.1W (12vDC Max), 8.5W (PoE Max)
Working Environment	-30°C~60°C / Less than 95%RH
Ingress Protection	IP67
Vandal Protection	-
Casing Material	Metal
Dimensions	Ø244.1 x 79 x 75.9mm
Weight	0.47kg NET / 0.63kg Gross

ACCESSORIES (OPTIONAL)

Junction Base - BASE-134-W or BASE-130-E-W/B

Pole Mount - BASE-134-W + MNT-PM152-E

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