IC REALTIME | OPTIC

OPTIC-6s-DF5-IO-W/B-2.8
IC Realtime 5MP AI 2.8m 30m IR IP67 Starlight Turret Dome with Mic

The OPTIC-6s-DF5-IO-W/B-2.8 is 5MP 2.8mm fixed lens IP67 AI turret Dome with basic starlight technology. It has a Smart IR Viewing Distance of up to 30m and 120dB rated True WDR. Basic starlight technology offers low-light performance for applications with a minimum illumination of 0.005 to 0.006 lux, ideal for moderately dark areas such as those with streetlight coverage. With True 120db WDR on the camera, it helps provide even illumination to all areas within a scene. SSA Smart Scene Adaption gives the ability to switch between modes based on lighting conditions in a scene.

Utilizing a Ambarella SoC the OPTIC-6s-DM5-IV-W has H.265 compression (High Efficiency Video Coding) as standard, H.265 was developed to improve HDD storage requirements and reduce bandwidth consumption. For example, at an identical level of visual quality, the H.265 codec enables video to be compressed to a file about half the size (or half the bit rate) of H.264.

We are delighted to announce that the 6th Series in the Optic range now includes the much favoured Smart AI features including SMD Plus and Human/Vehicle IVS detection. Both functions can help prevent and reduce false alarms activations by up to 95%. This camera is ONVIF compliant meaning seamless compatibility with 3rd party recorders and VMS's.

| IP Technology | 5MP Resolution | SMART H.265 Compression | 40M 40m IR | Intelligent Detection |

● PERFORMANCE

Image Sensor	1/2.7" CMOS
Chipset	Ambarella
RAM/ROM	512MB / 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 2592 x 1944 (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	2.8mm
Max Aperture	Fixed
Focus Control	F1.6
Angle of View	H: 97°, V: 71°, D: 129°
Detect (DORI)	25px/m - Wide = 63.6m
Observe (DORI)	63px/m - Wide = 25.4m
Recognize (DORI)	125px/m - Wide = 12.7m
Identify (DORI)	250px/m - Wide = 6.4m

● DAY & NIGHT

Min. Illumination	Colour 0.005 Lux @ F1.6
	0 Lux @ F1.6 (IR On)
Day/Night	Auto (ICR) / Colour/ B&W
IR Distance	30m (Smart IR)

● CONNECTIVITY

Ethernet	1 - RJ45 (10/100Base-T)
Analogue Port	–
Alarm Input	–
Alarm Output	–
Audio Input	Built-In Mic
Audio Output	–
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, Smart Search (Requires AI NVR)
Trigger Mode	Manual / Auto (alarm triggered)
Trigger Event	Manual / Auto (alarm triggered)

● ENVIRONMENTAL

Power	12v DC (±30%), PoE (802.3af, Class 0)
Consumption	6.7W PoE/6.1W 12V (WDR+AI+IR On)
Working Environment	-40°C~60°C / Less than 95%RH
Ingress Protection	IP67
Vandal Protection	
Casing Material	Metal
Dimensions	Ø121.9 x 99.1mm
Weight	0.48kg NET / 0.66kg Gross

● ACCESSORIES (OPTIONAL)

Junction Base - BASE-130-E-W

Pole Mount - MNT-PFB205-W + MNT-PM152-E

Wall Mount - MNT-PFB220-C + PFB109

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