

OPTIC-6s2-DF5-IV-W-2.8

IC Realtime 5MP AI 2.8mm 30m IR IK10 IP Vandal Dome



Introducing the IC Realtime OPTIC-6s2-DF5-IV-W-2.8, a cutting-edge 5MP dome camera designed for superior surveillance. This camera features a robust IP67 weatherproof and IK10 vandal-proof housing, making it suitable for both indoor and outdoor use. It captures high-definition images with a 1/2.7" CMOS sensor and Ambarella chipset, delivering a resolution of 2960 x 1688 pixels.

Enhanced starlight technology allows the OPTIC-6s2-DF5-IV-W-2.8 to perform exceptionally well in low-light conditions, with a minimum illumination of 0.007 lux in color and 0.0007 lux in black and white. The True 120dB Wide Dynamic Range (WDR) ensures balanced lighting in all scenes. Smart IR technology provides a viewing distance of up to 30 meters in complete darkness, ensuring round-the-clock security.

The fixed 2.8 mm lens offers a wide-angle view, covering a broad area with minimal blind spots. The camera also supports H.265 compression, reducing storage and bandwidth needs without compromising image quality.

Advanced AI features like SMD Plus and Human/Vehicle Intrusion Video System (IVS) detection enhance security by accurately identifying potential threats. ONVIF compliance ensures seamless integration with third-party systems, making the OPTIC-6s2-DF5-IV-W-2.8 a versatile and reliable choice for any surveillance setup.

● PERFORMANCE

Image Sensor	1/2.7" CMOS
Chipset	Ambarella
RAM/ROM	256MB / 128MB
Effective Pixels	2960(H) x 1688(V)
Video Compression	H.265+, H.265, H.264H, H.264B
Audio Compression	-
Resolution (Max)	5MP
Streams (Total)	2
- Main Stream	5MP 2960 x 1688 (1~20FPS)
- Sub Stream	D1 704 x 576 (1~25FPS)
- Third Stream	-
Bit Rate	3 ~ 8,192Kbps (H.264) 3 ~ 8,192Kbps (H.265)
Blacklight Compensation	BLC / HLC
Wide Dynamic Range	WDR (120dB)
White Balance	Auto / Manual / Presets Auto /
Gain Control	Manual
Noise Reduction	3D DNR
Privacy Masking	4 areas
Special Functions	SMD Plus, Intrusion, Tripwire

● LENS

Focal Length	2.8 mm
Max Aperture	Fixed
Focus Control	F1.6
Angle of View	H: 111°, V: 58°, D: 132°
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 - 0.007 Lux @ F1.6 B&W - 0.0007Lux @ F1.6
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
Trigger Mode	Manual / Auto (alarm triggered)
Trigger Event	Manual / Auto (alarm triggered)

● ENVIRONMENTAL

Power	12v DC (±30%), PoE (802.3af, Class 0)
Consumption	6.1W (PoE+IR+WDR+Intelligence On)
Working Environment	-40°C~60°C / Less than 95%RH
Ingress Protection	IP67
Vandal Protection	IK10
Casing Material	Metal
Dimensions	Ø109.9 x 81 mm
Weight	0.34kg NET / 0.49kg Gross

● ACCESSORIES (OPTIONAL)

Junction Base - BASE-136-W	In-Ceiling Mount - MNT-200C
Pole Mount - MNT-203-W	+ MNT-PM152-E
Wall Mount - MNT-203-W	
Rain Shield - MNT-PFA200-W	