

OPTIC-6s-DF5-IV-W-2.8

IC Realtime 5MP AI 2.8mm 30m IR IK10 IP Vandal Dome
Introducing the OPTIC-6s-DF5-IV-W-2.8: a cutting-edge 5MP fixed lens IP67/IK10 Vandal Proof Lite AI Dome camera enriched with advanced starlight technology. Equipped with a Smart IR Viewing Distance extending up to 30 meters and boasting a remarkable 120dB True WDR rating, this camera excels in a wide range of scenarios.

The enhanced starlight technology takes low-light performance to new heights, catering to environments with minimum illumination ranging from 0.005 to 0.0005 lux. This makes it particularly ideal for moderately dim areas, such as those illuminated by streetlights. Its True 120db WDR capability ensures uniform illumination across the entire scene, delivering consistent image quality.

Driven by an Ambarella SoC, the OPTIC-6s-DF5-IV-W-2.8 employs H.265 compression, a breakthrough in High Efficiency Video Coding. Designed to optimize HDD storage and minimize bandwidth consumption, H.265 reduces video file sizes by approximately half when compared to H.264, all while maintaining exceptional visual quality.

We're thrilled to introduce the 6th Series in the Optic range, now featuring sought-after Smart AI functionalities like SMD Plus and Human/Vehicle IVS detection. Notably, this camera is ONVIF compliant, ensuring seamless compatibility with third-party recorders and VMS solutions. Elevate your surveillance capabilities with the OPTIC-6s-DF5-IV-W-2.8, a technological marvel that redefines security monitoring.



● 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	-
Resolution (Max)	5MP
Streams (Total)	2
- Main Stream	5MP 2592 x 1944 (1~20FPS) D1
- Sub Stream	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: 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 B&W - 0.0009Lux @ 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 / SSA
Trigger Mode	Manual / Auto (alarm triggered)
Trigger Event	Manual / Auto (alarm triggered)

● ENVIRONMENTAL

Power	12v DC (±30%), PoE (802.3af, Class 0)
Consumption	7.2W (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	0.35kg 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	