

# IC REALTIME™ | OPTIC

## OPTIC-6s2-DM5-IO-W

IC Realtime 5MP AI 2.7-13.5mm 40m IR IP Turret Dome with Microphone



The IC Realtime OPTIC-6s2-DM5-IO-W is a high-performance 5MP AI turret dome camera designed for advanced surveillance. Featuring a motorized lens with a focal length range of 2.7 to 13.5 mm, this camera offers versatile viewing angles, from a wide 113° to a narrow focus, ensuring comprehensive coverage. Its robust IP67 weatherproof housing makes it ideal for both indoor and outdoor applications, while the built-in microphone adds an audio dimension to security monitoring.

Equipped with basic starlight technology, the OPTIC-6s-DM5-IO-W excels in low-light conditions with a minimum illumination of 0.007 lux in color mode and 0.0007lux in black and white mode. The camera's True 120dB Wide Dynamic Range (WDR) ensures balanced exposure across varied lighting conditions, making it suitable for environments with challenging lighting. The Smart IR feature extends the camera's night vision capabilities up to 40 meters, providing clear visibility even in complete darkness.

The camera supports advanced H.265 video compression, significantly reducing storage and bandwidth requirements while maintaining high image quality. With intelligent AI features such as SMD Plus and Human/Vehicle Intrusion Video System (IVS) detection, the OPTIC-6s2-DM5-IO-W enhances security by accurately identifying and responding to potential threats. ONVIF compliance ensures seamless integration with third-party systems, offering flexibility and ease of use in various surveillance setups. This camera is a powerful addition to any security system, providing reliable and intelligent monitoring.

### ● PERFORMANCE

Image Sensor	1/2.7" CMOS
Chipset	Ambarella
RAM/ROM	256MB / 128MB
Effective Pixels	2960(H) x 1688(V)
Video Compression	H.265/4+, 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)
Backlight 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	2.7 - 13.5 mm
Max Aperture	Motorised
Focus Control	F1.5
Angle of View	H: 113°, V: 58°, D: 138° @ 2.7mm
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 0.0005 @ F1.5, 0 Lux @ F1.5 (IR On)
Day/Night	Auto (ICR) / Colour/ B&W
IR Distance	40m (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	7.4W (PoE - WDR+IR+Intelligence On)
Working Environment	-30°C~60°C / Less than 95%RH
Ingress Protection	IP67
Vandal Protection	-
Casing Material	Metal
Dimensions	Ø122x 108.3mm
Weight	0.68kg NET / 0.86kg Gross

### ● ACCESSORIES (OPTIONAL)

Junction Base - BASE-130-E-W	In-Ceiling Mount - MNT-200C
Pole Mount - MNT-205-W + MNT-PM152-E	
Wall Mount - MNT-205-W	