

# IC REALTIME™ | OPTIC

## OPTIC-6s-DM5-IO-W

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



The OPTIC-6s-DM5-IO-W is 5MP motorized Lite AI Turret Dome with basic starlight technology. It has a Smart IR Viewing Distance of up to 40m and 120dB rated True WDR. Starlight technology offers low-light performance for applications with a minimum illumination of 0.0005 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. AI SSA can identify multiple scenes such as rain, snow, fog, backlight and flicker, making the camera suitable for even more indoor and outdoor application scenarios.

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 such as SMD Plus and Human/Vehicle IVS detection. Smart Search works together with the NVR to refine searching for intelligent events. This camera is ONVIF compliant meaning seamless compatibility with 3rd party recorders and VMS's.

### ● 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)
- Sub Stream	D1 704 x 576 (1~25FPS)
- Third Stream	-
Bit Rate	3 ~ 8,192Kbps (H.264) 3 ~ 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, SSA

### ● LENS

Focal Length	2.7 - 13.5 mm
Max Aperture	Motorised
Focus Control	F1.5
Angle of View	H: 100°, V: 72°, D: 133°
Detect (DORI)	25px/m - Wide = 64.4m
Observe (DORI)	63px/m - Wide = 25.8m
Recognize (DORI)	125px/m - Wide = 12.9m
Identify (DORI)	250px/m - Wide = 6.4m

### ● DAY & NIGHT

Min. Illumination	Colour 0.005 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	-
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	6.4W (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	0.685kg NET / 0.828kg Gross

### ● ACCESSORIES (OPTIONAL)

Junction Base - BASE-137-W	In-Ceiling Mount - MNT-200C
Pole Mount - MNT-205-W + MNT-PM152-E	
Wall Mount - MNT-205-W	