SPECIAL SERIES

OPTOKON PACIFIC SDN. BHD. (199501008548)
303-4-25, Krystal Point, Jalan Sultan Azlan Shah,
11900, Bayan Lepas, Penang, MALAYSIA
ASIA@OPTOKON.COM

OPT SPECIAL SERIES DOME CAMERA

IP Dome Network Camera

SYSTEM OVERVIEW

4K | H.265+ | WDR | ☀❄ | IP67 | Vandal-proof

The OPTOKON SPECIAL series is a line of surveillance cameras that utilize advanced H.265 encoding technology to improve video compression, resulting in reduced bandwidth usage and storage requirements. This technology allows for more efficient video transmission, without compromising on the quality of the video captured.

In addition to the improved encoding technology, the SPECIAL series also includes features such as starlight technology, which enhances low-light performance, as well as smart IR technology, which automatically adjusts the intensity of the infrared illuminator based on the distance of the subject. These features ensure that the cameras are capable of capturing high-quality video even in challenging lighting conditions.

Furthermore, the cameras in the OPTOKON SPECIAL series DOME are designed to be fully protected from dust and water, with an IP67 rating, and are vandal-resistant to IK10 standard. This makes them suitable for use in a wide range of environments, including outdoor settings where they may be exposed to harsh weather conditions or potential tampering.

OPTOKON SPECIAL series DOME supports PoE and PoC power supply technology which has greatly simplified construction and wiring. OPTOKON technology offer a new way to accomplish long distance transmission between IP camera and network switch. It allows more flexible surveillance system design, improves reliability, and saves construction and wiring cost.

- **5MP & 8/4K Megapixel progressive scan**
- **Support ONVIF**
- **30 pcs f5 LEDs**
- **IR Distance: 30~40 meter**
- **IP 67**
- **Motorized Zoom 2.8-12mm**
- **Double shell, Aluminum die casting**

Environmental

Optokon cameras are designed to operate in extreme temperature environments, making them suitable for use in a wide range of applications, including outdoor surveillance and industrial monitoring. These cameras are rated for use in temperatures ranging from -30° C to +60° C (-22° F to +140° F), which is a wide temperature range that covers most extreme weather conditions. In addition to the wide temperature range, Optokon cameras also have a high level of humidity resistance, with a 95% humidity rating. This means that the cameras can operate in environments with high levels of moisture, such as near bodies of water or in areas with high humidity levels. The ability of Optokon cameras to operate in extreme temperature and humidity environments makes them highly durable and reliable, even in harsh conditions. This means that they can be used in a wide range of settings, including industrial plants, oil and gas facilities, and other outdoor environments where reliable surveillance and monitoring is critical.

Optokon cameras' support for PoE and PoC technologies provides a cost-effective and flexible solution for surveillance system installations, with simplified construction and wiring, improved reliability, and reduced long-term operating costs.

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OPT SPECIAL SERIES DOME CAMERA

IP DOME Network Camera

TECHNICAL SPECIFICATION

Model No.		OPT-SP-IPM3515-A	OPT-SP-IPM3518-A
Camera Type		Dome IP Camera	
System		Embedded RTOS design	
Camera	Effective Pixels	5.0 Mega Pixels	8.0 Megapixels
		Main stream:2592*1944	Main stream:3840*2160
		Sub stream:704*576	Sub stream:704*576
	Frames Rates	PAL:25fps NTSC: 30fps	PAL:15fps NTSC: 15fps
	Image Sensor	1/2.7" CMOS, WDR	1/2.8" SONY, WDR
	DSP	Dual core 32-bit DSP	Dual core 32-bit DSP
		HI3516C	HI3516
	Min. Illumination	Color 0.001Lux@F1.2	Color 0.01Lux@F1.2
		B/W 0.0001 Lux@F1.2	B/W 0.001 Lux@F1.2
	Adjust Parameters	WDR,BLC,DNR,AE,AGC,D&N,Mirror,Flip,etc	
Video	Compression	265+/H.265/H.264 Dual Stream	265+/H.265/H.264 Dual Stream
	Stream	support dual stream,AVI format	support dual stream,AVI format
	Bit Rate	support 0.1M ~8Mpbs bit rate adjustable	support 0.1M ~8Mpbs bit rate adjustable
	Frame Rates	support 1~30fps adjust	support 1~30fps adjust
Audio	Input and output	1ch input(micphone),1ch output(Speaker&micphone) **Optional**	
	Compression	G.711 compression,support two-way audio intercom,support audio and video synchronized output	
Alarm	Types	Motion Detection, Video Blind , Video Loss	
Network	WEB Browser	Support WEB remote config(IE, Safari, Google Chrome, Firefox etc.)	
	Smart Phone	mobile remote Monitoring (iPhone,Android,....)	
	CMS Software	Uniform CMS Software(multiple devices management system)	
	Network	10/100M,Support RTSP/FTP/DHCP/DDNS/NTP/UPnP/SMTP	
	ONVIF	Support	
	Language	20 kinds of languages such as English, Finnish, French, German, Greek,Italian, Japanese, Polish, Portuguese, Russian, Spanish, Thai, S-Chinese, T-Chinese and Turkish	

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General	IR Cut Filter	Set of double light switch IR-CUT filter
	Lens Mount	Motorized AF lens 2.8-12mm
	Infrared Luminary	30 pcs f5 LED
	Infrared Wavelength	850nm
	Illuminate Distance	30m~40m
	Waterproof Criterion	IP 67
	I/O Connector	1*DC Connector ,1* RJ45(10/100M Network)
	Supplied Voltage	DC12V/PoE(802.3af/820.3at)
	Power Consumption	IR On: 600mA max., IR Off: Less than 200mA
	Housing Material	Double shell, Aluminum die casting
	Working Environment	-10°C~+60°C, 10%~90% (Built in Heater being optional added for enviroment lower than -20°)
	Weight	1.2kg