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 SPEED DOME PTZ

IP PTZ Network Camera

SYSTEM OVERVIEW

OPTOKON SPECIAL SPEED DOME PTZ cameras are a specific type of security camera that combines the features of Dome cameras and PTZ (Pan-Tilt-Zoom) cameras. They are commonly used in surveillance systems and provide flexible monitoring capabilities. Here are some key characteristics and features of cameras:

Pan-Tilt-Zoom Functionality: SPECIAL SPEED DOME PTZ cameras can rotate horizontally (pan), vertically (tilt), and zoom in and out. This allows for a wide range of coverage and the ability to track moving objects or individuals.

Remote Control: These cameras can be controlled remotely, either manually or through programmed presets. Users can adjust the camera's viewing angle, pan and tilt it, and zoom in or out using a control panel or software interface.

High-Quality Imaging: SPECIAL SPEED DOME PTZ cameras often feature high-resolution image sensors, providing clear and detailed video footage. They may also have advanced image processing technologies such as wide dynamic range (WDR) or infrared (IR) capabilities for enhanced visibility in challenging lighting conditions.

Long-Distance Monitoring: With SPECIAL SPEED DOME PTZ zoom capabilities, PTZ cameras can capture distant objects or areas with greater detail. This makes them suitable for applications where long-range monitoring is required, such as parking lots, perimeters, or large outdoor areas.

These cameras can be set to automatically track moving objects within their field of view. Additionally, users can define preset positions for the camera to rotate to, enabling them to quickly monitor specific areas or points of interest.

- **36 X Optical Zoom AutoFocus lens**
- **5MP & 8/4KMP**
- **HD IP system, Support ONVIF**
- **7pcs OSRAM IR Array LEDs+3pcs Laser LEDs**
- **IR Distance: 300 meter**
- **IP 67**
- **Support proportional zoom**
- **Double shell, Aluminium Die Casting**

Environmental

Weatherproof and Durable: OPTOKON SPECIAL SPEED DOME PTZ cameras are designed to withstand harsh environmental conditions. They are often rated with an IP67 or higher weatherproof rating, which protects them from dust, rain, and extreme temperatures, allowing for reliable outdoor use. These cameras can be set to automatically track moving objects within their field of view. Additionally, users can define preset positions for the camera to rotate to, enabling them to quickly monitor specific areas or points of interest. OPTOKON SPECIAL SPEED DOME PTZ cameras can be integrated into larger surveillance systems, allowing for centralized management and control. They typically support various connectivity options, including Ethernet & Power over Ethernet (PoE).

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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TECHNICAL SPECIFICATION

Model No.		OPT-SP-IPM9780-36X	OPT-SP-IPM9750-36X
Camera Type		IP SPEED Dome Camera	
System		Embedded RTOS design	
Camera	Effective Pixels	**8.0 Mega Pixels**	**5.0 Megapixels**
		Main stream:3840*2160;	Main stream:2592*1944;
		Sub stream:704*576	Sub stream:704*576
	Frames Rates	PAL:15fps(3840*2160)	PAL:25fps(2592*1944)
		NTSC:15fps(3840*2160)	NTSC:30fps(2592*1944)
	Image Sensor	1/2.7" CMOS Sensor	1/2.8" SONY IMX335 CMOS Sensor
		8.48 megapixel resolution	6.3 megapixel resolution
	DSP	Dual core 32-bit DSP	Dual core 32-bit DSP
		(Novatek)	(Goke)
	Min. Illumination	Color 0.01Lux@F1.2	Color 0.01Lux@F1.2
		B/W 0.001 Lux@F1.2	B/W 0.001 Lux@F1.2
Features	Day/Night	Auto(ICR) / Color / B/W	Auto(ICR) / Color / B/W
	Backlight Compensation	BLC / HLC / DWDR (Digital WDR)	BLC / HLC / DWDR (Digital WDR)
	White Balance	Auto, ATW, Indoor, Outdoor, Manual	Auto, ATW, Indoor, Outdoor, Manual
	Gain Control	Auto / Manual	Auto / Manual
	Noise Reduction	2D / 3D	2D / 3D
	Privacy Masking	Up to 24 areas	Up to 24 areas
	Digital Zoom	12x	12x
Lens	Focal Length	36X, 4.7 to 169.2mm	36X, 4.7 to 169.2mm
	Max Aperture	（F1.6 to F2.7）	（F1.6 to F2.7）
	Focus Control	Auto / Manual	Auto / Manual
	Angle of View	H: 55.4°~ 2.9°	H: 55.4°~ 2.9°
	Close Focus Distance	10mm ~ 1000mm	10mm ~ 1000mm
	Pan/Tilt Range	Pan: 0° ~ 360° endless; Tilt: -2° ~ 90°, auto flip 180°	

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PTZ	Manual Control Speed	Pan: 0.1° ~ 100°/s; Tilt: 0.1° ~80°/s
	Preset Speed	Pan: 200°/s; Tilt: 100°/s
	Preset	255(Pelco-P/D)
	PTZ Mode	5 Pattern, 8 Tour, Auto Pan, Auto Scan
	Speed Setup	Human-oriented focal length/ speed adaptation
	Power up Action	Auto restore to previous PTZ and lens status after power failure
	Idle Motion	Activate Preset/Pan/Scan/Tour/Pattern if there is no command in the specified period
	Time Task	Auto activation of Preset/Pan/Scan/Tour/Pattern by preset-time
	Protocol	Pelco-P/D (Auto recognition)
Video	Compression	H.264 Main profile H.264 Main profile
	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,Windows Mobile,BlackBerry,Symbian)
	CMS Software	Uniform CMS Software(multiple devices management system)
	Cloud P2P	MYEYE platform and other program,Offer SDK
	Network	1 * RJ45,10/100M,Support RTSP/FTP/PPPOE/DHCP/DDNS/NTP/UPnP/SMTP
	ONVIF	Support (ONVIF 2.0)
	POE	Support(optional)
	WIFI	NA
General	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
	IR Cut Filter	Set of double light switch IR-CUT filter
	Infrared Luminary	7pcs OSRAM IR Array LEDs+3pcs Laser LEDs,
	Infrared Wavelength	850 nm
	Illuminate Distance	More than 100-300M
	Waterproof Criterion	IP 67

I/O Connector	1*DC Connector ,1* RJ45(10/100M Network)	
Supplied Voltage	DC12V/4A	
Working Enviroment	-10°C~+60°C, 10%~90% (Built in Heater being optional added for enviroment lower than -20°)	
Dimensions	201*280mm	
Weight	3.6 kg	