

SATATYA PZCR50ML42CWP

5MP Pan-Tilt-Zoom Camera with 42x Optical Zoom



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Matrix has introduced Pan Tilt Zoom (PTZ) Cameras that are designed for all round surveillance. A PTZ Camera works by moving the camera in different directions (Pan and Tilt) to get the whole picture of the surveillance area and zooming in for further details of the security events. The Pan, Tilt, and Zoom mechanism of PTZ cameras allow it to monitor large areas with greater details. Furthermore, the camera is powered by True WDR algorithm, which ensures evenly balanced images even in varying lighting conditions. The camera is loaded with smart monitoring features like moving to a particular preset position and easy integration through ONVIF making it an ideal product for maximum protection at minimal cost.

USP



True WDR



H.265
Compression



42x Optical
Zoom



Upto 256GB
In-built Storage



300m IR Range



Low-Light
Performance



Intelligent Video
Analytics



300 Presets

CERTIFICATIONS



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TECHNICAL SPECIFICATIONS	
CAMERA	
Image Sensor	1/2.8" CMOS
Signal System	PAL/ NTSC
Minimum Illumination	Color: 0.005Lux@F1.2, Color: 0.008Lux@F1.8, B/W: 0Lux with IR on
Shutter Speed	1s – 1/100000s
Day and Night	IR Cut Filter with Auto Switch
Wide Dynamic Range	120dB
Optical Zoom	42x
Digital Zoom	16x
LENS	
Focal Length	7~300mm
Zoom Speed	Approx 7s (Wide-Tele)
Angle of View	Horizontal:43°-2° Vertical:33°-2° Diagonal:53°-2°
Aperture Range	F1.8-F6.5
PAN & TILT	
Pan Range	360° endless
Pan Speed	Pan Manual Speed: 0.1°~400°/s, Pan Preset Speed: 400°/s
Tilt Range	0°~90°(Auto Flip)
Tilt Speed	Tilt Manual Speed: 0.1°~320°/s, Tilt Preset Speed: 320°/s
3D Position	Yes
Presets	300
Scan	8
Cruise	8, up to 48 preset per cruise
Pattern	4
Power Off Memory	Yes
ILLUMINATOR	
IR LED	5
IR Range	Up to 300m
IR irradiance Angle	Auto/Manual
COMPRESSION STANDARD	
Video Compression	H.265+/H.265(HEVC)/H.264+/H.264/MJPEG
Video Bitrate	16Kbps~16Mbps (CBR/VBR Adjustable)
Audio Compression	G.711/AAC/G.722/G.726
Audio Bitrate	16~256kbps

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IMAGE	
Max Resolution	2592x1944
Mainstream	PAL:25fps@(2592x1944), 45fps@(2048x1536),50fps@(1920x1080, 1280x960, 1280x720, 704x576) NTSC:30fps@(2592x1944),45fps@(2048x1536),60fps@(1920x1080,1280x960,1280x720,704x576)
Sub Stream	PAL:25fps@(704x576, 640x480, 640x360, 352x288, 320x240, 320x192, 320x180) NTSC:30fps@(704x576, 640x480, 640x360, 352x288, 320x240, 320x192, 320x180)
Third Stream	PAL:25fps@(1920x1080, 1280x720, 704x576, 640x480, 640x360, 320x240, 320x192, 320x180) NTSC:30fps@(1920x1080, 1280x720, 704x576, 640x480, 640x360, 320x240, 320x192, 320x180)
Image Setting	Brightness, Contrast, Saturation/Sharpness
Image Enhancement	BLC, HLC, 2D DNR, 3D DNR, Defog, AWB, EIS, IP Address Filtering, AGC, Anti-flicker, Corridor Mode, Deblur, Watermark
ROI	Up to 8 areas
OSD	16×16, 24×24, 32×32, 48×48, 64×64, 96×96. Total 5 Regions
Picture Overlay	Yes
Privacy Mask	Up to 28 areas (24 mask areas and 4 mosaic areas)
Smart Defog	Yes
FEATURE	
Alarm Trigger	Motion Detection, Network Disconnection, External Input, Audio Alarm
Video Analytics	Region Entrance, Region Exiting, Advanced Motion Detection, Tamper Detection, Line Crossing, Loitering, Object Left, Object Removed
NETWORK	
Protocol	IPv4/IPv6, ARP, TCP, UDP, RTCP, RTP, RTSP, RTMP, HTTP, HTTPS, DNS, DDNS, DHCP, FTP, NTP, SMTP, SNMP,UPnP,Bonjour, SIP, PPPoE, VLAN, 802.1x, QoS, IGMP, ICMP, SSL
System Compatibility	ONVIF S,G,Q & T Ready
INTERFACE	
Communication Interface	1RJ45 10/100 self-adaptive Ethernet Port
Audio	1/1
Alarm	4/2
Reset Button	Yes
On-Board Storage	Built-in Micro SD card slot up to 256GB
GENERAL	
Web Page Language	Up to 15 Languages
Operating Conditions	Temperature: -40°C~60°C / Humidity: 0~90%(non-condensing)

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Make in India

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Power Supply	PoE (802.3at) / AC 24V
Power Consumption	12W MAX / 25W MAX (With IR on)
Protection	IP66
Dimension	Φ205mmX308mm
Weight	4 Kg

Note: Specifications are subject to change without prior notice

ABOUT MATRIX

Established in 1991, Matrix is a leader in security and telecom solutions for modern businesses and enterprises. Matrix, an innovative, technology-driven, and customer-focused organization, is committed to keeping pace with the revolutions in the security and telecom industries. With more than 40% of its human resources dedicated to the development of new products, Matrix has launched cutting-edge products such as Unified Communications, IP-PBX, Universal Gateways, Convergence, VOIP Gateways, and GSM Gateways, IP Video Surveillance, Access Control, and Time-Attendance. These solutions are feature-rich, reliable, and conform to international standards. Having global footprints in Europe, North America, South America, Africa, and Asia through an extensive network of more than 1000 system integrators, Matrix ensures that the products serve the needs of its customers faster and longer. Matrix has gained the trust and admiration of customers representing the entire spectrum of industries. Matrix has won many national and international awards for its innovative products.



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