

SATATYA PTZ2040P

2MP Pan-Tilt-Zoom Camera with 38x Optical Zoom



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Matrix Pan Tilt Zoom cameras are an ideal solution for all-round surveillance as they can move horizontally and vertically for better coverage of the surveillance area. Additionally, the zoom feature helps capture clear images of distant objects. Powered with the True WDR algorithm, the camera produces even images in varying light conditions. Smart monitoring features like moving to a particular preset position and easy integration through ONVIF make it an ideal product for maximum protection.

USP



True WDR



H.265
Compression



38x Optical
Zoom



512GB In-built Storage



300m IR Range



Low-Light
Performance



Intelligent Video
Analytics



300 Presets

CERTIFICATIONS



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TECHNICAL SPECIFICATIONS

IMAGE SENSOR

Resolution	2 MP (1920 x 1080)
Sensor Type and Size	1/2.8" SONY - CMOS 2MP Active Pixel Progressive Scan, Back Illuminated Image sensor (STARVIS Series)

LENS

Minimum Illumination	Color: 0.03lux@F1.69, 0Lux with IR
Focal Length	4.4 mm - 169.4 mm
Focus Range	3m to infinity
Field of View (FOV)	HFOV – 65.66° (w) - 1.92° (t) VFOV – 39.43° (w) - 1.06° (t) DFOV – 72.78°(w)- 2.24° (t)
Focus	Motorized Varifocal
Aperture (F#)	F 1.6 - F4.9
IR Range	300m
IR Led Wavelength	850nm
IR Switching	Auto/ Manual
DORI AS PER IEC 62676 - IV	WIDE: D: 60m, O: 24m, R: 12m, I: 6m TELE: D: 2291m, O: 916m , R: 458m , I :229m

PAN AND TILT

Pan Range	360°
Pan Speed	Pan manual speed: 1°to 240°/s, pan preset speed: 240°/s
Tilt Range	-15° to 90° (auto-flip)
Tilt Speed	Tilt manual speed: 1° to 200°/s tilt preset speed: 200°/s
Presets	300
Patrol	8 patrols, up to 32 presets for each patrol
Pattern	4 pattern scans, record time over 10 minutes for each scan
Power Off Memory	Yes

AUDIO AND ALARM

Audio In	1x(Pheonix type connector)
Audio Output	1x(Pheonix type connector)
Audio Streaming	Two way Audio (full duplex)
Audio Compression	G.726 ,G.711 a-law and u-law
Alarm In	2 (Pheonix type connector)
Alarm Out	2 (Pheonix type connector)

HARDWARE SPECIFICATIONS

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SD Card	Up to 512GB
IMAGE AND VIDEO	
No. of Stream Profiles	4
Stream Profiles	Profile 1:- 1080p(2MP)/720p/D1/VGA/2CIF/CIF/QCIF upto @60 fps(H.265/H.264) Profile 2:- D1/VGA upto @30fps(H.265/H.264) Profile 3: 1080p(2MP)/720p/D1/VGA @8fps (MJPEG) or D1/VGA@15fps(H.264/H.265) Profile 4: 1080p(2MP)/720p/D1/VGA @ 30 fps (H.265/H.264/MJPEG)
Available Resolutions	1920 x 1080, 720p, D1, VGA, 2CIF, CIF
Max Resolution	1920 x 1080
Bitrate	128kbps-16Mbps
Bitrate Type	CBR, VBR
Video Compression	H.265 (Baseline profile) H.264 (Baseline Profile) MJPEG
Frame Rate	1-60fps
Shutter Speed	1/15s -1/100000s
Optical Zoom	38x
Digital Zoom	16x
Adaptive Streaming	Yes
ONVIF Profiles	S, G, and T
Edge Recording	Yes
Alarm Recording	Pre and Post
Motion Recording	Yes
Time Triggered	Yes
Video Parameters	Snapshot, BLC,HLC, ROI, Day/Night Settings, Dynamic FPS
Privacy Masks	8
WDR	True WDR (120dB)
SNR	>70dB
Image Enhancement	Saturation/ Contrast/ Sharpness/Brightness/Auto Exposure/HVS-Forensics/ Smart IR
DNR	2D &3D
Video Analytics	Motion/No Motion Detection, View Tamper Detection, Trip/No Trip Detection, Object Intrusion/Zone Intrusion, Loitering, Missing/ Object Counting, Abandoned Object, Audio Exception, Alarm In
ALERTS	
IP Conflict	Yes
Network Disconnect	Yes
Storage Full	Yes

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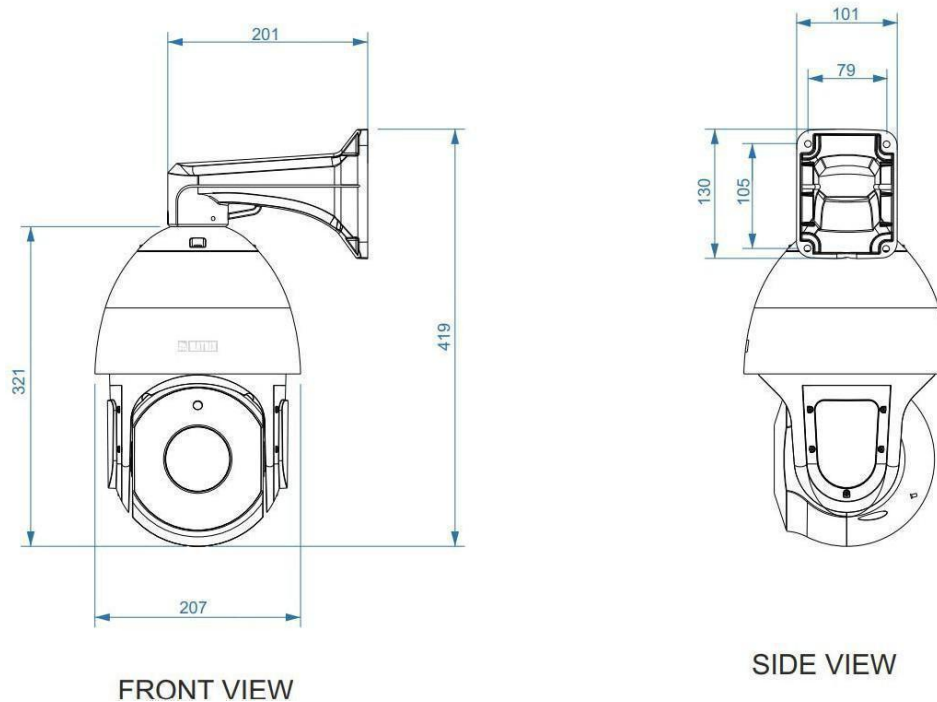


EVENTS AND ACTIONS	
Upload Image	SD, NAS, SFTP
Upload Clip	SD, NAS, SFTP
Notifications	E-mail, SMS, TCP
PROTOCOLS SUPPORTED	
Supported protocols	TCP/IP, UDP, HTTP, HTTPS, DHCP, DNS, DynDNS, DDNS, RTP, RTCP, RTSP, PPPOE, SMTP, NTP, SNMP, FTP, TLS/SSL, SFTP, ICMP, IGMPv2 & v3, ARP, 802.1x, IPv4, IPv6, QoS Layer 3, DSCP, CIFS, SSH, UPnP, Bonjour
Browser	IE or Edge in IE Mode
CYBER SECURITY as per ISO/IEC 27402	
Secure boot	Yes
Signed firmware	Yes
Data Encryption	All data, including sensitive data, is encrypted with AES 256 and RSA 2048
IP Address Filtering	Yes
HTTPs Streaming	Yes, using TLS 1.2
Edge Data Encryption	Yes
Network Authentication	Yes, 802.1x Network authentication
Secure Firmware Upgrade	Yes
Anti-roll back firmware	Yes
Web login password protection	Yes
Unused debug interface protection	Yes
OPERATING PARAMETERS	
Power Supply (DC/AC)	24VDC 2.5A , AC(Optional)
Power Supply (POE+)	Yes
Power Consumption	Max 25W
Operating Humidity	90% or less
Operating Temperature	-30°C to 60°C
Storage Temperature	-30°C to 70°C
PHYSICAL PARAMETERS	
Communication interface	1 RJ45 10M/100M self-adaptive Ethernet port
Weight	5.1kg
Color	Infinity White
Dimensions	Φ206.6mm x 329mm(Diameter x Height)
Storage	NAS, SD Card
Certifications	BIS, CE, FCC Part-15 Subpart – B(Class-A), ONVIF S, G & T, IP67, IK10, NEMA 4X, NDAA Compliant, Essential Requirement (ER) by STQC

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DIMENSIONS (in mm)



Specifications are subject to change without prior notice

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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 keep pace with the revolutions in 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, GSM Gateways, IP Video Surveillance, Access Control and Time-Attendance. These solutions are feature-rich, reliable and conform to the international standards. Having global footprints in Europe, North America, South America, Africa and Asia through an extensive network of more than 4000 system integrators, Matrix ensures that the products serve the needs of its customers faster and longer. Matrix has gained 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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