ONVIF™
Member
The IP-based Security Standard

Network Camera

Guardian Watch
SERIES

5MP 40X Zoom WDR Network Outdoor IR PTZ Camera

The Guardian Watch Series PTZ cameras offer a 360-degree surveillance solution with advanced zoom, high-resolution imaging, and superior night vision capabilities. Designed for both indoor and outdoor use, these weather-resistant cameras feature smart motion tracking, remote access, and seamless integration with existing security systems. Experience reliable and user-friendly monitoring with tamper detection and a professional interface for heightened security and peace of mind.

MODEL NO: TSCINPZ5MM51I661

Super WDR | IR
POE | Weather Proof

Main Features

- 5MP High Resolution, PALNTSC, ONVIF support.

- Professional IP Pan/Tilt/Zoom speed dome, simple setup, IR-Cut 450ft night vision.

- 1/2.8" CMOS Sensor, Wide Angle 2.8mm-12mm, 36X Optical Zoom, IP66 Outdoor Waterproof, Anti-Corrosion Polymer Shell: great for salty ocean-front.

- PTZ Speed : 90 degreesVertical, 360 degree Endless horizontal.

- Focus Length 5-90mm.

- Support P2P real-time message push

MAKE IN INDIA

CE | RoHS compliant

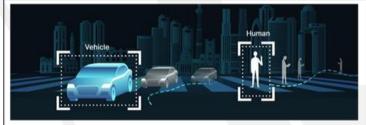# Key Features

✓ AI Video Analytics

- 8 intelligent VCA modes powered by AI engine, which can 8   intelligent VCA modes powered by AI engine, which can intelligently filter objects to focus on human and vehicle detection.

- People Counting technology provides high accuracy and real-time data
Based on AI algorithm with statistic reports.

- Face Detection function detects human faces in the monitoring scene and captures the snapshots, which greatly enhances the monitoring efficiency.

✓ Intelligent PTZ Auto Tracking

With AI detection, Mile sight Network Camera could leverage motor mechanism to perform Pan/Tilt/Zoom to track the moving human or vehicle automatically and adjust zoom status flexibly according to the target distance with the powerful optical zoom capability.

✓ Up to 42X Optical Zoom

Embedded with optical zoom lens, the cameras' resolution is up to 42X optical
Zoom which allows the user to zoom up to distant objects while still
Maintaining the clarity and delivering high quality video over the entire zoom
Range.

✓ 30fps@4K

Providing 4K HD resolution with frame rate of 30fps, the camera performs well in catching detailed image regardless of the moving speed.

Specifications

CAMERA	
Model No	TSCINPZ5MM51I661
Image Sensor	1/2.8"Progressive Scan CMOS
Min. Illumination	Color:0.009 Lux@F1.55, B/W:0LuxwithIRon
Lens	4.7~141mm
WDR	120dBSuperWDR
Shutter Time	1/100000s~1s
Digital Zoom	16X
Day/Night Mode	Day/Night/Auto/Customize/Schedule
S/N	>55dB
Focal Length	5.7~205.2mm, 36XOpticalZoom
Zoom Speed	Approx 7s (Wide-Tele)
Field of View	H65°~H2.5°/D72°~D2.9°/ V40°~V1.4°
Focus Control	Auto/Semi-Auto/Manual
Minimum Working Distance	11500/1500mm (Wide/Tele)
Aperture	F1.55~F4.8
Iris Control	Auto

PTZ	
Pan Range/Pan Speed	360°endless/Pan Manual Speed:0.1°~250°/s, Pan Preset Speed:250°/s
Tilt Range/Tilt Speed	-5°~90°(Auto Flip)/Tilt Manual Speed:0.1°~160°/s, Tilt Preset Speed:160°/s
Proportional Zoom	Support
Patrol	8 Patrols, up to 48 presets each patrol
Pattern	4 Patterns
Auto Tracking	Support
PowerOffMemory	Support
Other Function	Auto Scan, Auto Home, Preset Freezing, 3D Positioning, PTZ Limits, Initial Position

AUDIO & VIDEO ENCODING	
IR Distance	Up to 150m
IR Angle	Auto/Manual

VIDEO	
Max.Image Resolution	4K 3840x2160 60Hz:30fps@(3840x2160, 3072x2048,2592x1944, 2592x1520,2048x1536, 1920x1080,1280x960, 1280x720,704x576)
Max Frame Rate	30fps @ 5MP(2560 × 1920)

Primary Stream	60Hz:30fps@(3840x2160, 3072x2048,2592x1944, 2592x1520,2048x1536, 1920x1080,1280x960, 1280x720,704x576) 4K (3840*2160)/5MP (2880*1624)/4MP (2560*1440)/3MP (2304*1296)/ 2MP (1920*1080)
Secondary Stream	60Hz:30fps@(704x576,640 480,640x360,352x288,320x240) 50Hz:25fps@(704x576,640x480,640x360,352x288,320x240)
Tertiary Stream	60Hz:30fps@(1920x1080,1280x720,704x576,640x480,640x360,320x240) 50Hz:25fps@(1920x1080,1280x720,704x576,640x480,640x360,320x240)
Video Compression	H.265+/H.265(HEVC)/H.264+/H.264/MJPEG
Privacy Masking	Up to 8 Areas(Mask Area and Mosaic Area are optional)
Video Bitrate	16Kbps~16Mbps(CBR/VBR Adjustable)
ROI	Up to 8 areas
Image Setting	Brightness/Contrast/Saturation/Sharpness Interface
INTERFACE	
Ethernet	1*RJ45 10M/100M Ethernet Port
Audio I/O	1/1
Alarm I/O	4/2
RS485	Support
Audio	
Audio Compression	G.711/AAC/G.722/G.726
Audio Sampling Rate	8/16/32/44.1/48KHz 16~256kbps
Audio Bitrate	Two-way Audio Support
Intelligent Analytics	
Video Analysis	Region Entrance, Region Exiting, Advanced Motion Detection, Tamper Detection, Line Crossing, Loitering, Object Left, Object Removed
System	
Advanced Function	BLC,HLC,2DDNR,3DDNR,Defog,AWB, IPAddressFiltering,AGC,Anti-flicker,CorridorMode,Deblur,Watermark
Event Trigger	Motion Detection, Network Disconnection, External Input, Audio Alarm, etc.
Event Action	FTP Upload, SMTP Upload, SD Card Record, External Output, SIP Phone, PTZ Motion, HTTP Notification, etc.
System Compatibility	ONVIF Profile G & Q & S& T, API
Approval	
EMC	FCC (FCC/23M02012); CE
Safety	UL/23M02014 ; BIS IS 13252(PART 1):2010/ IEC 60950-1 : 2005 : IP67
Environment	CE-ROHS
Ingress Protection	Weather Proof IP66;IK10
Working Condition	Temperature:-30℃~60℃/Humidity:0~95%(Non-condensing)
GENERAL	

Storage Conditions	-40 °C to 70 °C (-22 °F to 158 °F). Humidity 95% or less (non-condensing)
Power Supply	DC12V /PoE (option)
Startup and Operating Conditions	-30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)
Material	Metal
Power Supply	PoE(802.3at)/AC24V/3A±10%
Power Consumption	13WMAX/ 28WMAX (With Iron)
Address	India	1. Techno Support Al-Ameen 2nd gate Opp, Ground, 13, Athani Road, Vijayapura, Karnataka, 586108 2. Techno Support, Polymer shapes , Railway Parallel Rd, 4th Block, Kumara Park West, Sampangiram Nagar, Bengaluru, Karnataka 560020 3. Techno support, Tilak Nagar, Krishna Park,old Mahavir Nagar, Galli no 8, beside Singh Gurudwara, Delhi -110018
	Taiwan	Taiwan - Techno Support, 8F., No.172, Sec. 2, Linghang N. Rd. Zhongli Dist,. #124 Taoyuan City, 320014 Taiwan
WARRANTY		
Warranty	5 Years	

Please note : That the camera's casing will be varies; however, all specifications will remain the same.