



5MP WizColor Outdoor Wi-Fi Pan & Tilt Network Camera

DH-IPC-PT2549DC1-SW-PV



Series Overview

The Wireless Compact Outdoor PT Camera sets a new standard for intelligent surveillance. In low-light conditions, it leverages WizColor technology to deliver crisp and vibrant images comparable to those captured in daylight without the need for additional lighting. Featuring advanced auto-tracking and preset patrol functions, it accurately detects human and vehicles while minimizing false alarms. In the event of an intrusion, the camera activates sound and light alarms and promptly relays vital information to the mobile client, ensuring you stay informed no matter where you are.



5MP

Clear images with sharp details



AI-ISP

Provides a more vibrant, brighter image under low light conditions



Sound and Light Alarm

Provides instant alarms to deter intruders



Auto Tracking

Automatic tracking of targets



AI Human Detection

Focuses on what matters and reduces false alarms



AI Vehicle Detection

Focuses on what matters and reduces false alarms



One Camera for 360° View

360° monitoring without blind spots



Preset Patrol

Guards the places that matter to you regularly



IP66 Protection

Withstands harsh environments



Two-way Talk

Communication anytime, anywhere



Bluetooth Pairing

Fast pairing with Bluetooth



Wi-Fi 6

Seamless integration of speed and anti-interference



H.265

Advanced H.265 compression technology



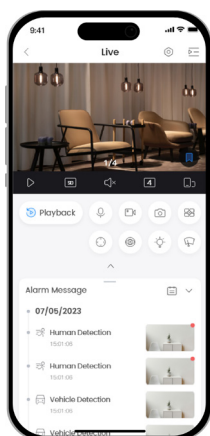
Supports Micro SD Card

Low-cost storage



DMSS App

Easy to use



Upgrade Your Experience with DMSS

Intuitive AIoT app for individual security



Remote Management

Live view and recording history



Easy sharing

Safer device sharing with family and friends



Notifications and Alerts

Accurate and timely



High Security

Stay secure with all data encrypted





Specifications

Camera

Image Sensor	1/1.8" CMOS
Max. Resolution	2880 (H) × 1620 (V)
Electronic Shutter Speed	1–1/100,000 s
Min. Illumination	0.0005 lux@F1.0 (Color, 30 IRE); 0 lux (Illuminator on)
Illumination Distance	30 m (98.43 ft) (Warm light)
Illuminator Number	4 (Warm light)

Lens

Focal Length	3.6 mm
Max. Aperture	F1.0
Field of View	H: 89.5°; V: 51°; D: 96°

PTZ

Pan/Tilt Range	Pan: 0° to 345°; Tilt: 0° to 90°
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Smart Event

Human Detection	Yes
Vehicle Detection	Yes

Video

Video Compression	Smart H.265+; H.265; Smart H.264+; H.264B; H.264M; H.264H; MJPEG(Sub Stream 1)
Video Frame Rate	Main stream: 5M/3M/720p@(1–25/30 fps) Sub stream 1: 640 × 360/QVGA@(1–25/30 fps)
Day/Night	Color/B/W
WDR	120 dB
Motion Detection	Yes
Image Rotation	180°

Audio

Audio Compression	PCM, G.711A, G.711Mu
Built-in MIC	Yes

Built-in Speaker

Yes

Network

Network Port	RJ-45 (10/100 Base-T)
Wi-Fi Standard	IEEE802.11b; IEEE802.11g; IEEE802.11n; IEEE802.11ax
Wi-Fi Frequency Range	2.4 GHz
Wi-Fi Transmission Rate	229 Mbps
Wi-Fi Pairing	Bluetooth pairing
Max. Transmission Power	≤20 dBm@2,400–2,483.5 MHz
Interoperability	ONVIF (Profile S & Profile G & Profile T); CGI; SDK
Storage	Micro SD card (Up to 512 GB); FTP
Management Software	DMSS; NVR
Mobile Client	iOS; Android

Function

Abnormal Sound Alarm	Yes
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Certification

Certifications	CE
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Power

Power Supply	12 VDC, 1 A ± 10%
Power Consumption	Basic: 3 W Max. (Basic power consumption + WDR + light on + PTZ operation): 9 W

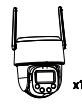











Environment

Operating Temperature	–30 °C to +55 °C (–22 °F to +131 °F)
Operating Humidity	≤95%
Protection	IP66; TVS 2000 V lightning proof; surge protection; voltage transient protection

Structure

Product Dimensions	153.5 mm × Φ129.3 mm (6.04" × Φ5.09")
Net Weight	0.60 kg (1.32 lb)

What's in the box

	Tools:	Documents:	Power:
	 Installation Position Map × 1	 QR Code × 1	 Power Adapter × 1
	 Screw Package × 1	 Quick Start Guide × 1	
	 Mounting Plate × 1	 Legal and regulation information × 1	
	 Waterproof Connector × 1	 Certification × 1	
		 Wireless Frequency Band Paper × 1 (Only for-EUR)	
		 Warranty Card × 1 (Only for-EUR)	

