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

DH-IPC-PT2549C1-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 humam 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

Available on the App Store

GET IT ON Google play



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°

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@(1–15 fps) Sub stream 1: 640 × 360/QVGA@(1–15 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

Certification

Certifications	CE

Power

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

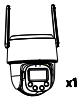
Environment

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:

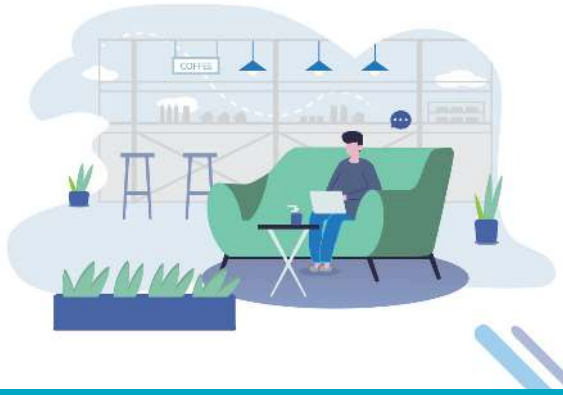
- Installation Position Map × 1
- Screw Package × 1
- Mounting Plate × 1
- Waterproof Connector x 1

Documents:

- QR Code × 1
- Quick Start Guide × 1
- Legal and regulation information × 1
- Certification × 1
- Wireless Frequency Band Paper × 1 (Only for-EUR)
- Warranty Card × 1 (Only for-EUR)

Power:

- Power Adapter × 1



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