



8MP WizColor Outdoor Wi-Fi Pan & Tilt Network Camera

DH-P8F-PV



Series Overview

The Compact Outdoor PT Camera functions optimally, offering stunning ultra-clear 4K resolution. 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.



4K
4K Ultra HD, Beyond Sharpness



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



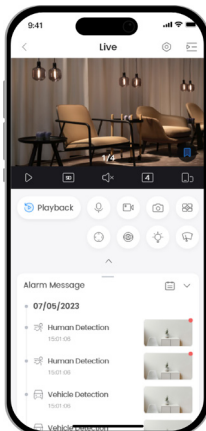
H.265
Advanced H.265 compression technology



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	3840 (H) × 2160 (V)
Electronic Shutter Speed	1 s–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: 82.9°; V: 47.3°; D: 93.4°

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

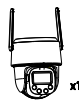













Video Compression	Smart H.265+; H.264M; H.264H; Smart H.264+; H.265; H.264B; MJPEG(Sub Stream 1)
Video Frame Rate	Main stream: 8M/3M/720p@(1–15 fps) Sub stream 1: 640 × 360/QVGA@(1–15 fps)
Day/Night	Color/B/W
WDR	120 dB
Motion Detection	Yes
Image Rotation	180°

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	IEEE802.11g; IEEE802.11b; 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); SDK; CGI
Storage	Micro SD card (Up to 512 GB); FTP
Management Software	NVR; DMSS
Mobile Client	Android; iOS
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

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|---|--|---|---|---|---|
|  | Tools: |  | Documents: |  | Power: |
| | <ul style="list-style-type: none">  Installation Position Map × 1  Screw Package × 1  Mounting Plate × 1  Waterproof Connector × 1 | | <ul style="list-style-type: none">  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) | | <ul style="list-style-type: none">  Power Adapter × 1 |

