

Tenda



CH3-WCA

3MP Outdoor Wi-Fi Pan/Tilt Camera



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Description

The Outdoor Wi-Fi Pan/Tilt Camera CH3-WCA, is a high-performance outdoor surveillance camera that integrates 360° visual coverage, Wi-Fi6, Full-Color night vision, 3MP resolution video, full-duplex two-way audio, human detection, vehicle detection, sound and light alarm functions. The product is mostly used for outdoor monitoring scenarios such as courtyard, farms and shops, etc. The users can access the video via wireless or wired connection to the Internet.

Main Features



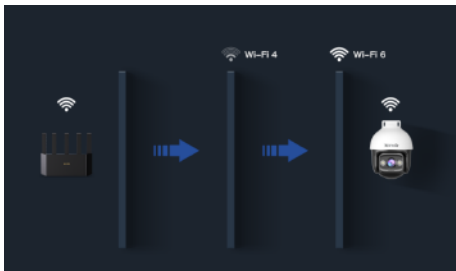
Smart Full-Color Night Vision, Providing Vivid Image Even at Night.

Equipped with F1.6 aperture lens, infrared lights and spotlights, designed to make protection last all night.



Human and Vehicle Detection with Deep-Learning Algorithms

Empowered by an NPU module and a high-performance SOC boasting advanced deep-learning technology, the camera can accurately detect humans and vehicles, thus minimizing false alarms.



Next-level Wi-Fi 6 Technology, Stable and Smooth Video

With the latest Wi-Fi 6 technology, built-in special antenna for signal enhancement, it offers better anti-interference performance and lower latency compared to Wi-Fi 4, allowing your security range wider.



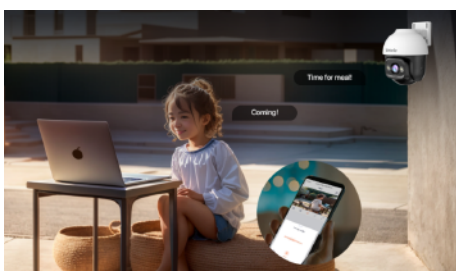
360° Panoramic Coverage Omnidirectional Protection

Being able to pan and tilt to take in a 360-degree field-of-view, providing all-around protection, you can adjust the angle through the TDSEE APP to view every corner in real time.



Smart Human Tracking, Audio & Light Alert

When people enter the protected area, the camera will automatically tracking and giving an audible warning with spotlight flashing (three audio alarms can be customized), after tracking is completed, the camera will return to the position you need to guard.



Two-Way Audio Easy Communication Anytime & Anywhere

Real-time two-way audio enables you to chat with your family anytime, anywhere, delivering heartfelt greetings to your loved ones.

Main Features



Sharing Camera to Your Family to Protect Safety Jointly

Enhance safety by sharing the camera with your family. Each member can check home situations and collaborate to ensure family security.



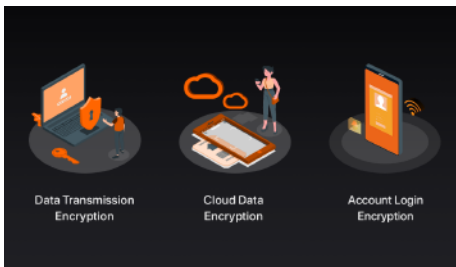
Waterproof and Dustproof

With waterproof and dustproof design, the camera can withstand rainy, sunny, stormy, and even snowy weathers.



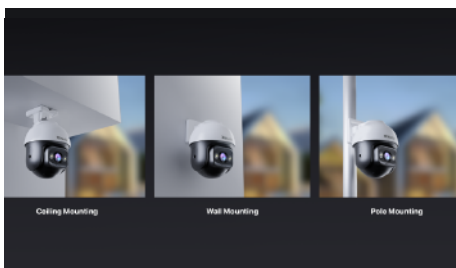
Three Storage Options

The video can be stored in local Micro SD card, cloud and NVR/NAS. Even a vandal accident happens to your devices, you can still retrieve videos based on cloud recording.



Triple Encryption Ensures Data Security

Triple encryption protection is applied to data transmission, cloud storage, and account login to ensure the security of your security data and personal privacy.



With Adjustable Bracket, Support Multiple Mounting Methods

Equipped with an adjustable bracket, the camera can be mounted on the ceiling and wall with screw, or mounted on the pole with strap.

Technical Specifications

Camera	
Image Sensor	1/3" Progressive Scan CMOS sensor
Day & Night	ICR type
Bracket Angle Adjustment	/
Lens	
Focal Length	4mm
Aperture	F1.6
FOV	Horizontal FOV: 82.3°, Vertical FOV: 44.7°, Diagonal FOV: 97.4°
Illuminator	
Supplementary Light	Two High-Power Spotlights and Infrared Lights
Supplementary Light Distance	Up to 30 m/100 ft (depending on environment)
IR Wavelength	850nm
Night Vision Mode	Smart Mode, Full Color Mode, Black & White Mode
Video	
Video Encoding Format	H.265, H.264
Main Stream Resolution	2304 × 1296, 1920 × 1080, 1280 × 720
Sub Stream Resolution	640 × 360, 352 × 288
Frame Rate	1-30fps, Default 20fps
Bit Rate	512kbps -- 4096kbps
Bit Rate Control	CBR, VBR
Audio	
Audio Encoding Format	G.711A, G.711U, AAC
Audio Sampling Rate	8 kHz
Audio Communication	Two-way Audio, Voice Input
Image	
Image Enhancement	DWDR, BLC, HLC, 3D DNR
Privacy Mask	4 Areas

Technical Specifications

Network	
Ethernet Port	1 RJ45, 10Mbps/100Mbps auto-negotiation Ethernet port
ONVIF	Support
Protocols	TCP/IP, UDP, ICMP, HTTP, HTTPS, DHCP, DNS, DDNS, RTP, RTSP, RTCP, NTP, ARP, WebSockets
Web Browser	Plug-in free live view: Chrome, Edge, Opera

Pan&Tilt	
Pan Movement Range	0°-355°
Tilt Movement Range	0°-90°
Preset	6
Patrol	Panoramic Patrol, Preset Patrol

Wi-Fi	
Antenna	Internal antenna
Wireless Standard	IEEE 802.11 b/g/n/ax
Transmission Rate	Up to 287Mbps
Channel Width	20/40 MHz
Modulation	DSSS/OFDM/OFDMA
Frequency Band	2.4GHz: 2412MHz-2472MHz(CH1-CH13)
Transmit Power	2.4GHz: <0.1W(EIRP)
Security	64/128-bit WEP, WPA/WPA2, WPA-PSK/WPA2-PSK, WPA3 - SAE

Alarm	
Smart Detection	Motion detection, Human detection, Vehicle detection
Smart Linkage	Sound&light Alert, Human Tracking
DIY Audio	3 Customized Audios

Interface	
Audio Input	Built-in MIC
Audio Output	Built-in Speaker
Storage	Built-in Micro SD Card Slot, Up to 512 GB
Reset Button	Support

Technical Specifications

LED Indicator	Dual Color(red & blue) LED Indicator
General	
Power	12V DC,1A,Ø5.5mm&Ø2.1mm Power Plug
Material	Plastic
Product Dimension	120mm x 120mm x 146mm(4.7" x 4.7" x 5.7")
Package Dimension	167mm x 131mm x 251mm(6.5" x 5.1" x 9.9")
Product Weight	367g(0.81lb)
With Package Weight	860g(1.89lb)
Protection Level	IP65
Installation Method	Wall Mounting, Ceiling Mounting, Pole Mounting
Certification	CE, RoHS, FCC, RCM, UKCA
Temperature	Operating Temperature: -30°C ~ 60°C (-22°F ~ 140°F) Storage Temperature: -40°C ~ 70°C (-40°F ~ 158°F)
Humidity	Operating Humidity: 10% ~ 95% RH (non-condensing) Storage Humidity: 3% ~ 95% RH (non-condensing)
Package Contents	Camera Power Adapter (cord length: 3m) Installation Template Mounting Bracket Mounting Accessories Kit Waterproof Kit Quick Installation Guide

SHENZHEN TENDA TECHNOLOGY CO.,LTD.

Tenda Technology Bldg.Int' | E-City,
#1001 Zhong Shan Yuan Rd.,Nanshan District,Shenzhen China.

E-mail:support@tenda.com.cn

Tel:+86-755-2765 7098

Fax:+86-755-2765 7178

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