

Tenda



CH7-WCA

4MP Outdoor Wi-Fi Pan/Tilt Camera

www.tendacn.com



Full-Color

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Products Description

The Outdoor Wi-Fi Pan/Tilt Camera CH7-WCA, is a high-performance outdoor surveillance camera that integrates 360° visual coverage, Full-Color night vision, 4MP 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.

Selling Points



4MP Clear Images With More Details

Equipped with a high-performance CMOS image sensor and an F1.6 large aperture lens, the camera can achieve a resolution of 4 MP, providing clear images with more details.



Accurate Human and Vehicle Detection

Based on deep learning AI algorithm, precise identification of humans and vehicles can be achieved while irrelevant information is effectively reduced to enhance alarm accuracy.



View 360° & Auto-patrol

With dual pan/tilt design and 360° visual coverage, the camera can be remotely controlled. Maximum 6 patrols can be set for automatic patrol to ensure your safety.



Real Dual Antenna

With accumulation of wireless technology for 20 years and MIMO technology, we can ensure a stable wireless connection of 250 meters. The camera also supports wired connection.



Full-color Night Vision

Equipped with four high-power spotlights and four IR lights, and high sensitive image sensors, your night vision is now lit up and in full-color. There are three available night vision modes: Smart Mode, Full-color Mode, and Black & White Mode.

Selling Points



Connectable To Alexa Assistant

Connect the device to Alexa to free your hands. You can wake up the screen through voice, view the monitoring image, and control the device more conveniently.



Smart Human Tracking, Audio & Light Alert

When people enter the monitoring area, the camera will give an audible warning with spotlight flashing (three audio alarms can be customized), the alarm notifications will also be pushed to the smartphone in real time.



Two-Way Audio

Equipped with a high-fidelity waterproof microphone and speaker, this camera enables real-time two-way voice communication while simultaneously playing back sound and images.



Waterproof and Dustproof

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

Technical Specifications

Hardware Specifications	
Pan/Tilt	Horizontal viewing: 360° Horizontal rotation: 355° Vertical viewing: 137° Vertical rotation: 90°
Ports	Storage: Micro SD card (Up to 256G, Class10 and above) Power: DC 12V 1A Ethernet: One RJ45, 10M/100M auto-negotiation Ethernet port
Lens	4mm@F1.6, view angle: 108° diagonal, 90° horizontal, 47° vertical
Button	Reset x 1
LED Indicator	Dual color (red & blue) LED indicator x 1
Antenna	Dual external antennas
Dimension	138mm*120mm*187mm
Video Specifications	
Resolution	2560 x 1440
Coding Standard	H.265/H.264
Frame Rate	Up to 30fps
Day and Night Shift Mode	ICR type
Noise Reduction	3D digital noise reduction
DWDR	Support
Backlight Compensation	Support
ROI	Support
Wireless Specifications	
Wireless Standard	IEEE 802.11b/g/n @2.4GHz
Wireless Rate	300Mbps
Security	64/128-bit WEP, WPA/WPA2, WPA-PSK/WPA2-PSK
Channel Width	20/40 MHz
Modulation	DSSS/OFDM
Frequency Band	2.4GHz(DSSS/OFDM): 2412MHz-2472MHz(CH1-CH13)
Transmit Power	2.4GHz: <0.04W(EIRP)

Others	
Smart Alarm	Motion detection&Vehicle detection&Human detection&Hu -man tracking
Supplementary Light	Four IR lights, four spotlights
Alarm	Sound&light alarm
Audio	Full-duplex two-way audio
DIY Audio	Up to 3 customized audios
Night Vision Distance	30 meters (Depending on environment)
ONVIF Protocol	Support
Auto Patrol	Panoramic patrol&Preset patrol
Presets	6
Temperature	Operating temperature: -30°C~60°C Storage temperature: -40°C~70°C
Humidity	Operating humidity: 10%~95%RH (non-condensing) Storage humidity: 3%~95%RH (non-condensing)
Waterproof Level	IP65
Certification	CE, RoHS, FCC, RCM, UKCA
Package Contents	Outdoor Wi-Fi Camera, Power Adapter, Mounting Bracket, Mounting Accessories Kit, Waterproof Kit, Quick Installation Guide.

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