

Tenda



CH9-WCAV2.0

6MP Dual-Lens Linkage Outdoor Wi-Fi Pan/Tilt Camera



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Product Description

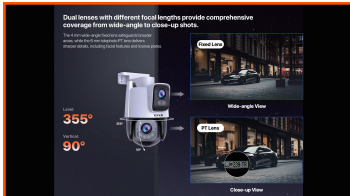
The dual-lens linkage outdoor Wi-Fi pan/tilt camera CH9-WCAV2.0, is a high-performance outdoor security camera that integrates 6MP resolution video(3MP+3MP), 360° visual coverage, full-color night vision, full-duplex two-way audio, human detection, vehicle detection, line crossing detection, intrusion detection, dual-lens smart linkage, sound and light alarm functions. The product is mostly used for outdoor protect scenarios such as courtyard, farms and shops, etc. The users can access the video via wireless or wired connection to the Internet.

Product Features



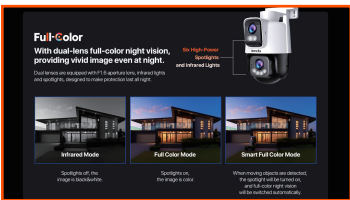
Dual lenses provide an unprecedented double areas protection experience

Equipped with 5MP fixed lens and 5MP PT lens, it can simultaneously protect two different areas, effectively reducing the blind spots.



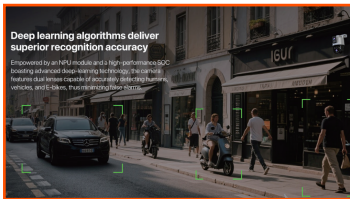
Dual lenses With different focal lengths provide comprehensive coverage from wide-angle to close-up shots.

The 4 mm wide-angle fixed lens safeguards broader areas, while the 6 mm telephoto PT lens delivers sharper details, including facial features and license plates.



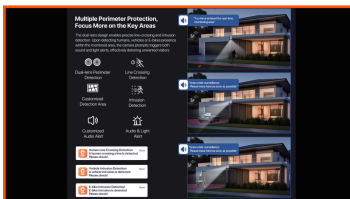
With dual-lens full-color night vision, providing vivid image even at night.

Dual lenses are equipped with F1.6 aperture lens, infrared lights and spotlights, designed to make protection last all night.



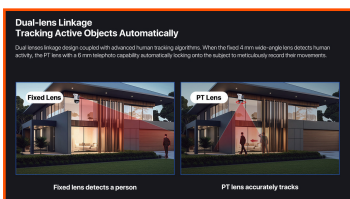
Deep learning algorithms deliver superior recognition accuracy

Empowered by an NPU module and a high-performance SOC boasting advanced deep-learning technology, the camera features dual lenses capable of accurately detecting humans, vehicles, and E-bikes, thus minimizing false alarms.



Multiple Perimeter Protection, Focus More on the Key Areas

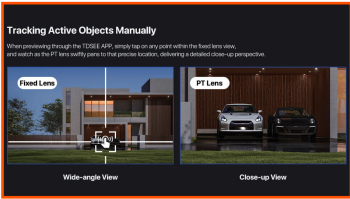
The dual-lens design enables precise line-crossing and intrusion detection. Upon detecting humans, vehicles or E-bikes presence within the monitored area, the camera promptly triggers both sound and light alerts, effectively deterring unwanted visitors.



Dual-lens Linkage, Tracking Active Objects Automatically

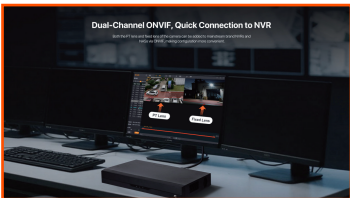
Dual lenses linkage design coupled with advanced human tracking algorithms. When the fixed 4 mm wide-angle lens detects human activity, the PT lens with a 6 mm telephoto capability automatically locking onto the subject to meticulously record their movements.

Product Features



Tracking Active Objects Manually

When previewing through the TDSEE APP, simply tap on any point within the fixed lens view, and watch as the PT lens swiftly pans to that precise location, delivering a detailed close-up perspective.



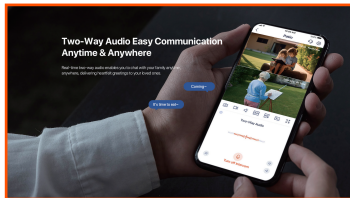
Dual-Channel ONVIF, Quick Connection to NVR

Both the PT lens and fixed lens of the camera can be added to mainstream brand NVRs and NASs via ONVIF, making configuration more convenient.



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.



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.



Adjustable Brackets and Lenses, Convenient Installation

The fixed lens supports manual vertical adjustment up to 35°, while the bracket enables manual horizontal adjustment up to 260°, offering versatile installation options for nearly any location.



Three Storage Options

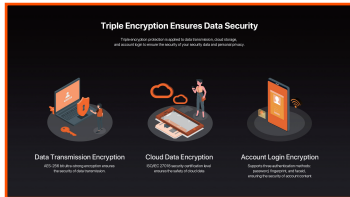
The video can be stored in local Micro SD card, cloud and NVR/NAS. Even a vandal accident happens to your devices, you can still retrieve videos based on cloud recording.

Product Features



Sharing Camera to Your Family to Protect Safety Jointly

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



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.

Specification

Camera	
Image Sensor	1/3" Progressive Scan CMOS sensor
Day & Night	ICR type
Bracket Angle Adjustment	Pan: 0° to 260°
Lens	
Focal Length	Fixed Lens: 4mm PT Lens: 6mm
Aperture	Fixed Lens: F1.6 PT Lens: F1.6
FOV	Fixed Lens: Horizontal FOV: 79.8°, Vertical FOV: 49°, Diagonal FOV: 87.4° PT Lens: Horizontal FOV: 51.3°, Vertical FOV: 29°, Diagonal FOV: 56.9°
Illuminator	
Supplementary Light	6 IR Lights, 6 Spotlights
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	Fixed Lens: H.265, H.264 PT Lens: H.265, H.264
Main Stream Resolution	Fixed Lens: 2304 × 1296, 1920 × 1080, 1280 × 720 PT Lens: 2304 × 1296, 1920 × 1080, 1280 × 720
Sub Stream Resolution	Fixed Lens: 768 × 432 PT Lens: 768 × 432
Frame Rate	Fixed Lens: 1-30fps, Default 20fps PT Lens: 1-30fps, Default 20fps
Bit Rate	Fixed Lens: 512kbps -- 4096kbps PT Lens: 512kbps -- 4096kbps
Bit Rate Control	Fixed Lens: CBR, VBR PT Lens: CBR, VBR
Audio	
Audio Encoding Format	G.711A, G.711U, AAC
Audio Sampling Rate	8 kHz
Audio Communication	Two-way Audio, Voice Input

Specification

Image	
Image Enhancement	DWDR, BLC, HLC, 3D DNR
Privacy Mask	4 Areas
Network	
Ethernet Port	1 RJ45, 10Mbps/100Mbps auto-negotiation Ethernet port
ONVIF	Support
Protocols	TCP/IP, UDP, ICMP, HTTP, HTTPS, DHCP, DNS, RTP, RTSP, RTCP, NTP, ARP, WebSockets
Client	TDSEE (mobile phone), TDSEE Studio (PC)
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
Alarm	
Smart Detection	Both fixed lens and PT lens are supported human detection, vehicle detection, E-bike detection, line crossing detection, intrusion detection
Smart Linkage	Sound&light Alert, Dual-lens Linkage Tracking
DIY Audio	3 Customized Audios

Specification

Interface	
Audio Input	Built-in MIC, adjustable microphone volume
Audio Output	Built-in Speaker, 83 dBA (Alarm sound at 1 meter), adjustable sound level
Storage	Built-in Micro SD Card Slot, Up to 512 GB
Reset Button	Support
LED Indicator	Dual Color(red & blue) LED Indicator
General	
Power	12V DC, 1A, Ø5.5mm&Ø2.1mm Power Plug
Material	Plastic
Product Dimension	203mm x 122mm x 162mm(8.0" × 4.8" × 2.4")
Package Dimension	240mm x 145mm x 193mm(9.4" × 5.7" × 7.6")
Product Weight	575g(1.27lb)
With Package Weight	1050g(2.31lb)
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 Accessories Kit Waterproof Kit Quick Installation Guide

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