Tenda

RP7 V2.0

5MP Security Pan/Tilt Camera (WiFi6)

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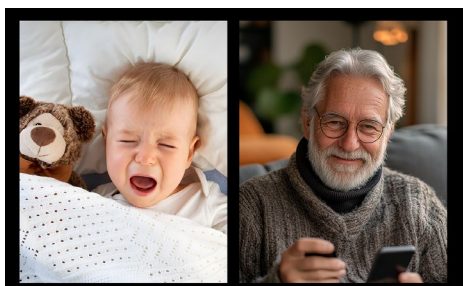
Description

The Pan/Tilt Security Camera RP7 is a high-performance home monitoring camera that integrates such functions as 360 ° visual coverage, Wi-Fi 6, 5MP video, human detection, cry detection, one-touch call, two-way audio, sound & light alarm, DIY audio and USB-C power supply. You can connect to the network via Wi-Fi or wired ethernet. It is commonly used in indoor monitoring scenarios, such as homes, shops, offices and classrooms.

Main Features

360° Coverage and Ultra-clear Image.

High-performance BSI CMOS image sensor delivers 3K 2880*1620 high-resolution image; dual motor design for flexible up, down, left, and right control.

Categorized Detection, Smart Home Safeguard.

Empowered by an NPU module and a high-performance SOC boasting advanced deep-learning technology, the camera can accurately recognizes human and baby cry, thus minimizing false alarms.
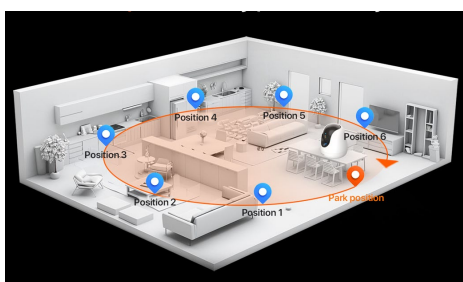

The "Camera" is Calling You.

When the elderly or child is home alone, they can call their family simply by touching the call button on the camera.

Clear Video and Smooth Control.

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, providing more stable connections and smoother video.

Auto-patrol for Key Point Security.

Supports one-click 360° panoramic patrol and preset point patrol, ensuring key security areas are regularly checked and recorded; also supports setting park position, automatically returning to pack positon after patrol and manual PT control.

Main Features

Scheduled On/Off to Protect Privacy.

You can click one-key shutter or set shutter schedule on TDSEE App, which will activate the physical privacy shield to protect your privacy in your home.
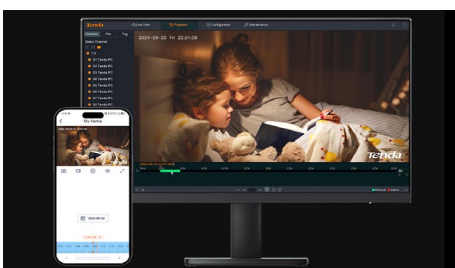

USB-C Power Supply, One Cable for All.

The power interface has been upgraded from the traditional DC port to a USB-C port, compatible with smartphone charger.

Focus on the Moving Target.

Once human tracking is enabled, the camera will automatically track the person in motion and record key video.

Easily Store and Easily View.

Videos can be stored through cloud storage, Micro SD card and NVR/NAS, you can view the videos anytime and anywhere with mobile phone.

Technical Specifications

Camera

Image Sensor	1/3" Progressive Scan CMOS sensor
Day/Night Switch	ICR type
Bracket Angle Adjustment	/

Lens

Focal Length	4mm
Aperture	F2.0
FOV	Horizontal : 83.3°, Vertical : 51.3°, Diagonal : 90.6°

Illuminator

Supplementary Light	2 IR lights
Supplementary Light Distance	Up to 10 m/32 ft (depending on environment)
IR Wavelength	850 nm
Night Vision Mode	Black & White Mode

Video

Video Encoding Format	H.265, H.264
Maximum Resolution	2880 x 1620
Main Stream Resolution	2880 x 1620, 2560 x 1440, 2304 × 1296, 1920 × 1080, 1280 × 720
Sub Stream Resolution	640 x 360, 352 x 288, 320x240
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, One–touch Call

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, DHCP, DNS, DDNS, RTP, RTSP, RTCP, NTP, ARP
Web Browser	Chrome, Edge, Opera
Pan&Tilt	
Pan Movement Range	0–355˚
Tilt Movement Range	–65˚––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 287 Mbps
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, Tampering Detection, Human Detection, Cry 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 512GB
Reset Button	Support

Technical Specifications

LED Indicator	Dual Color (red & blue) LED Indicator
General	
Power	5 V 1A, Type–C Power Plug
Material	Plastic
Smart Integration	Amazon Alexa
Product Dimension	103mm x 88mm x 88mm (4.1" ×3.5" × 3.5")
Package Dimension	100mm x 100mm x 165mm (4.0" ×4.0" × 6.5")
Product Weight	200g (0.44lb)
With Package Weight	370g (0.82lb)
Protection Level	/
Installation Method	Desktop, Ceiling Mounting
Certification	CE, RoHS, FCC, RCM, UKCA
Temperature	Operating Temperature: –10°C ~ 45°C (14°F ~ 113°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: 1.5m) Installation Template Mounting Bracket Mounting Accessories Kit Quick Installation Guide

SHENZHEN TENDA TECHNOLOGY CO.,LTD.

Tenda Technology Bldg.Int'lE–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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