tp-link | tapo

Datasheet

Indoor/Outdoor Home Security Wi-Fi Camera

2K QHD

Tapo C121

Superior Starlight Color Night Vision

Free Smart AI Detection | IP66 Water and Dust Resistance | Color Night Vision with Spotlights

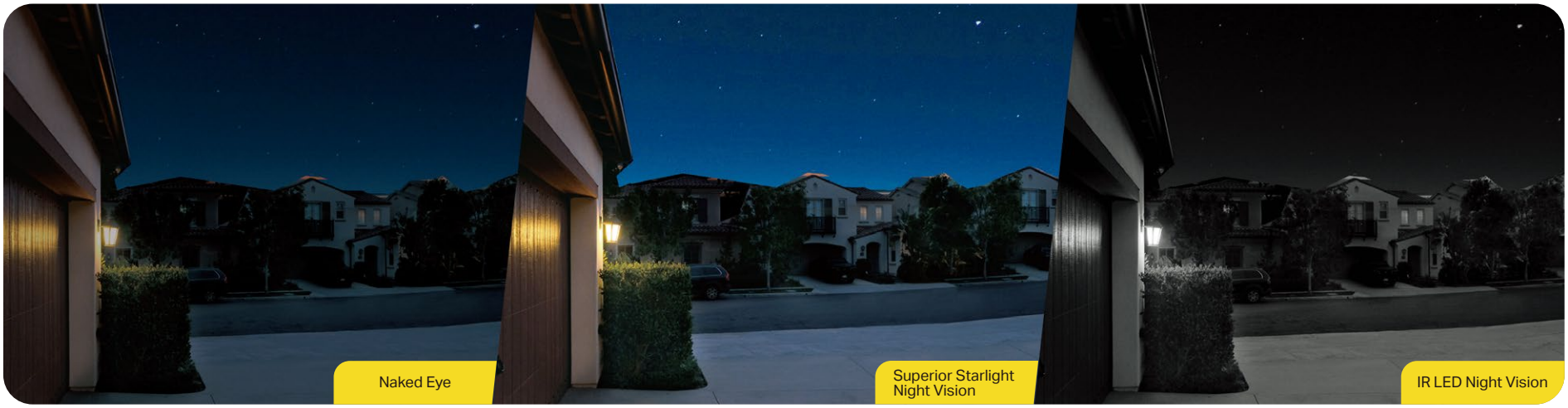
works with Google Home

works with alexa

Highlights

Superior Starlight Color Night Vision

The highly sensitive starlight sensor captures higher-quality images even in low-light conditions.



Features

2K QHD[Δ]

Capture sharper, more revealing images with 1.7x more pixels than 1080p.

Discreet Night Vision with 940nm IR LED

Enjoy unobtrusive night-time monitoring of your baby or pet with the barely-noticeable, low-intensity 940nm IR LED.

Two-Way Audio

Communicate in real time through a built-in microphone and speaker.

Smart AI Detection

Smart AI identifies people, pets, vehicles, while also recognizing abnormal sounds, notifying users as needed.

Alarm System

Trigger lights and sounds as an alarm when motion is detected.

Local[†] and Cloud[‡] Storage

Save recorded videos to a microSD card (up to 512 GB)[†] or by using Tapo Care[‡] cloud storage services.

Activity Zones

Set up your own activity zones to only receive alerts that matter.

Color Night Vision with Spotlights

Reveals high-fidelity details and color at night with the embedded spotlights.

Customizable Block Zones

Set customizable block zones to keep private areas from being monitored.

[†]microSD card needs to be purchased separately.
[‡]Subscribe for cloud storage at https://www.tapo.com/tapocare/
[Δ]Compatible with Alexa and Google Assistant supported displays. User experience is dependent on the connected device's specifications.
[§]Tapo C121 does not have an Ethernet port and can only be connected via Wi-Fi.
For more information, please visit https://www.tapo.com/
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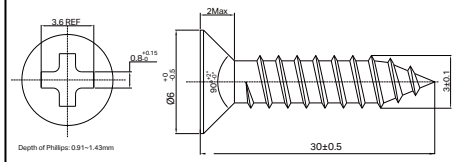
Specifications

Camera	Image Sensor	1/2.9" Progressive Scan CMOS Starlight Sensor
	Lens	Focal Length: 3.17mm Aperture: 1.65 Field of View: 120° (Diagonal), 103° (Horizontal), 55° (Vertical)
	Night Vision	850 nm IR LED (30 ft / 9 m) 940 nm IR LED (30 ft / 9 m) Full-Color Night Vision
	Day/Night Switch	IR-Cut Filter with Auto-Switching
	Lighting	2× Built-in Spotlights
	Interface & Button	1× RESET Button 1× microSD Card Slot (Up to 512 GB)
	Hub Compatibility	/
Video & Audio	Maximum Resolution	2K QHD 4MP (2560 × 1440 px)
	Frame Rate	20 fps (Self-adaptive according brightness)
	Digital Zoom	12x
	Video Compression	H.264
	Live View	Yes

Video & Audio	Image Enhancement	3DNR WDR
	Audio Input & Output	Built-in Microphone and Speaker
	Audio Communication	Two-Way Audio with Noise Cancellation
	Siren Volume	96 dB (Level measured at 4-inch/10-cm distance)
Storage	Local Storage	microSD Card Slot on Camera (Up to 512 GB)
	Cloud Storage	Tapo Care Cloud Storage Services (Subscription required)
Detection & Notification	Sensor	/
	AI Detection	Motion Detection Person Detection Pet Detection Vehicle Detection Line-Crossing Detection Baby Crying Detection Cat Meows Detection Dog Barks Detection Glass Break Detection
	Activity Zones	Yes *Only works with Motion Detection.
	Output Notification	System Notification System Notification with Snapshot (Tapo Care Services)

Network	Network Connectivity	Connect via Wi-Fi
	Wireless Connectivity	IEEE 802.11b/g/n, 2.4 GHz Wi-Fi
	Transmission Rate	11b: 11 Mbps 11g: 54 Mbps 11n: 72.2 Mbps
	Protocol	TCP/IP, DHCP, ICMP, DNS, NTP, HTTPS, TCP, UDP
	Max. Distance Between Hub and Camera/Doorbell	/
	Ethernet Port	/
	RTSP	Yes
	ONVIF	Yes
Security	Security	On-Device Machine Learning 128-bit AES Encryption with SSL/TLS WPA/WPA2-PSK/WPA3
Power	Power Source	5V DC Power Adapter
	Input Voltage	100-240 V, 50/60 Hz
	Output Voltage	5.0 V, 1.0 A (DC Power)
	DC Power Connector Size	Adapter: USB A Camera: USB Type C
	Power Cord Length	3 m

Power	Typical Power Consumption	1.59 W
	Maximum Power Consumption	3.73 W 4.7 W (with adapter)
General	Certifications	FCC, RCM, IP66, ONVIF
	Smart Integration	Google Assistant, Amazon Alexa
	Weather Resistance	IP66
	Mounting Options	Tabletop Ceiling-Mounted
	Operating Temperature	-25 °C ~ 45 °C (-13 °F ~ 113 °F)
	Storage Temperature	-20 °C ~ 60 °C (-4 °F ~ 140 °F)
	Operating Humidity	10%~90% RH, Non-condensing
	Storage Humidity	5%~90% RH, Non-condensing
	Charging Temperature	\
	Mounting Screw Size	
	Dimensions	2.65 × 2.26 × 1.74 in (67.4 × 57.4 × 44.1mm)
	Weight	3.5 oz / 100 g

General	Package Contents	Tapo C121 Camera USB Power Adapter Quick Start Guide Mounting Anchors Mounting Screws Mounting Template Metal Plate 3M Adhesive 3-Meter Type-C Wire Cable Organizers Detaching Pin