

DEXATEK

Smart Wi-Fi Camera Specification

Version 1.0.0



Introduction

The Smart WiFi camera is a HD, wireless camera that can be easily installed in anywhere. It could be a surveillance/security camera or home care camera to look after baby, pets or elderly family members. With simple installation, users can monitor their home remotely while being away. The camera has 2.4GHz WiFi module embedded. The resolution can be up to 1080p that users can enjoy the high quality video and images. With built-in IR LED, the camera can provide high illuminance night vision to take care of users' home and love ones day and night.

Key Features

- Easy to install, can be placed anywhere inside a house
- Resolution video up to 1080p 30fps
- CMOS supports
- Night Vision
- Wifi Config Via BLE
- Remote control/monitoring available through cloud server
- Compatible with Σ Casa system - Σ Link supported that allow users to build linkage with other Σ Casa products.
- Motion detection
- Time backtrack function
 - a. Event trigger function can take 10 screen shots in 5 seconds before and after the trigger point. (1 shot / sec)
 - b. Event trigger function can record short video in 5 seconds before and after the trigger point.

Specifications

BLE Version	Bluetooth®5.0
BLE System On Chip	Nordic Semiconductor(Nordic nRF52832)
Memory	2GB DRAM / 128MB Flash
SoC	Realtek RTS3904
DSP	Built-in
Sensor	1/2.7" OV2735
Wi-Fi Version	2.4GHz, 1T1R 802.11b/g/n (RTL 8188)
WiFi Security Supported	WEP, WPA, WPA2, TKIP, AES
BLE Antenna *	Omni-directional Chip antenna with matching tuning circuitry
Wi-Fi Antenna *	Omni-directional Chip antenna with matching tuning circuitry
BLE Energy Consumption	Peak TX (0dBm) 5.3 mA; running from Flash 58 µA
Wi-Fi Energy Consumption	DC3.3V Maximum power dissipation in 150mA TX 170 mA ; running from Deep Sleep 2mA
Minimum Lux	0.1 lux color / 0.01 lux black/white / 0 lux with IR
Minimum Object Distance	20 cm
LENS	2.8mm / F1.8
Angle of View	120°
Night Vision	IR LED * 4 , range 5 Meters
ICR Cut	Yes
WDR	Yes
Video Compression	H.264
Max. Resolutio	30fps (1080P/720P/VGA/QVGA)

Motion Detection	Yes
Microphone	Yes, Build in
Speaker	Yes
Two-way Audio	Yes (Next Phase)
Input Power	Micro USB DC 5V 1A
ROHS Compliant	Yes
Customisable	Colorings, branding, advertising packet and firmware possible.
Regulatory	CE FCC compliant
Operating Temperature	-5C to +45°C
Storage Temperature	-20°C to +70°C
Dimension	62x100 (mm)
System Required	iOS - iOS 8.0 and above with Bluetooth Low Energy(Bluetooth 4.0) Android - Android 5.0 and above on Bluetooth 4.0 Smart Ready devices ΣCasa App

LED status(TBD)

Color	Status
Red (Slow Flash)	Initial
Red (Flash)	Setup Mode
Blue (Flash)	Searching Wi-Fi Connection to Cloud Server
Blue (Constantly Bright)	Working Normally

Accessories

- One 5V power adapter
- One Micro USB cable

Installation

1

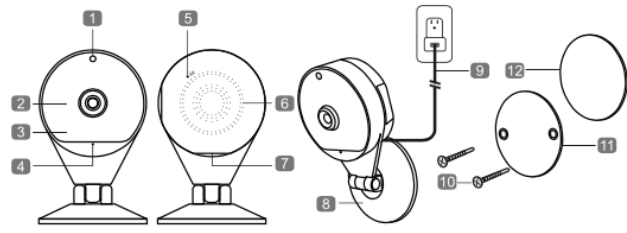
- Download ΣCasa APP from APP Store or Google Play.
- Register an account for your ΣCasa.

2

- Follow the instruction on APP to add and pair device.

3

- Use a pin to press the set button on the backside and hold for 3 seconds until the LED flashes.



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|------------------|------------------|--------------------|
| 1. Light Sensor | 5. Set button | 9. USB cable |
| 2. Infrared LEDs | 6. Speaker | 10. Screws |
| 3. LED indicator | 7. USB port | 11. Mounting plate |
| 4. Microphone | 8. Magnetic base | 12. Mounting tape |

Packaging Size 98x160x85 (mm)

