

Solar-Powered Security Camera Kit

Model: MC410 KIT

Highlights

2K Resolution

45 Minutes of Sun,
24 Hours of Power*

Up to 180-Day
Battery Life*

Dual-Band Wi-Fi
Connectivity

Free Person Detection
and Notifications

Color Night
Vision



Easy App Control

The MERCUSYS app helps you set up in minutes and manage your devices at home or away through your iOS or Android devices.



// Highlight

Endless Power, Wire-Free Ease, Install Anywhere



// Features



Fast Solar Charging

Just 45 minutes of sunlight powers a full day of operation.[†]



Adjustable Solar Panel

Independently installed and angle-adjustable for maximum sunlight exposure.



2K Definition[§]

Provides more crisp details for superior home monitoring.



Up to 180-Day Battery Life[‡]

The built-in 5200 mAh battery kicks in when sunlight is limited.



Free Local microSD Storage[△]

Store up to 512 GB of video on a microSD card.



Cloud Storage Supported[△]

Store videos by using cloud storage services.



Color Night Vision

Built-in spotlights reveal vivid colors after dark for greater safety.



Two-Way Audio

Hear and respond in real time through a built-in microphone and speaker.



IP65 Dustproof & Waterproof

Perfect for outdoor use from sunny days to stormy nights.

// Specifications

Camera

Image Sensor: 1/3"

Resolution: 3MP (2304 × 1296 px)

Color Night Vision: 850 nm IR LED (up to 40 ft/12 m)

Full Color with Spotlights

Lens: Focal Length: 3.1 mm, Aperture: F1.6

Field of View: 114.8° Diagonal, 98.0° Horizontal, 53.4° Vertical

Audio & Video

Audio Communication: 2-way audio

Audio Input & Output: Built-in microphone and speaker

Video Compression: H.264

Frame Rate: 15 fps

Video Definition: 2K 3MP (2304 x 1296 px)[§]

Solar Panel

Max. Charging Voltage: 5.2V

Max Charging Power: 2.5 W^{*}

Output Port: Type-C

Network

Wireless Rate:

2.4G:

11b: 11 Mbps

11g: 54 Mbps

11n: 72.2 Mbps

5G:

11a: 54Mbps

11n: 72.2 Mbps

Frequency: 2.4 GHz, 5 GHz

Transmit Power: <20 dBm

Wireless Security: WPA/WPA2-PSK/WPA3-SAE

Encryption: 128 bit AES encryption with SSL/TLS

Protocol: TCP/IP, DHCP, ICMP, DNS, NTP, HTTPS, TCP, UDP

Wireless Protocols:

IEEE 802.11b/g/n, 2.4 GHz Wi-Fi

IEEE 802.11a/n, 5 GHz Wi-Fi[☆]

Detection & Notification

AI Detection: Motion Detection,
Person Detection

Output Notification: System Notification

// Specifications

Hardware

Buttons: RESET button, On/Off button

LED Indicator: Status LED

Power Source: Built-in Rechargeable Lithium-ion Battery, Solar Panel

Power Input: 100-240VAC, 50/60Hz

Power Output: 5V/1A (DC Power)

External Storage: Micro SD card slot (Supports up to 512GB)

Weight:

Camera: 8.11 oz/ 230 g

Solar Panel: 5.57 oz/ 158 g

Dimensions (W x D x H):

Camera: 85.15 × 53.31 × 71.65 mm (3.35 × 2.10 × 2.82 in.)

Solar Panel (with bracket): 156 × 173.42 × 192.5 mm

(6.14 × 6.83 × 7.58 in.)

Others

Certification: CE, NTRA, KC, RCM, IP65, WWA

Package Contents:

MC410 Camera ×1

Camera Bracket ×1

Solar Panel ×1

Solar Bracket ×1

USB Adapter Cable ×1

Mounting Template Sticker ×2

Mounting Screws ×4

Mounting Anchors ×4

Quick Start Guide

Operating Temperature: -20°C~45°C (-4°F~113°F)◇

Storage Temperature: -20°C~60°C (-4°F~140°F)

Operating Humidity: 10%~90%RH, Non-condensing

Storage Humidity: 0%~90%RH, Non-condensing

For support and warranty, please visit: <https://www.mercusys.com/support>

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†45 minutes of sunlight is based on standard environmental conditions (1000W/m², 25°C, AM1.5) and specified working scenes (up to 100 events triggered per day). The actual required time of sunlight may vary.

‡180-day battery life is tested under controlled laboratory conditions with 250s of use per day. The time of use includes recording and watching views. Actual battery life may vary due to device settings, usage, router specifications, and environmental factors.

§Compatible with Alexa and Google Assistant supported displays. User experience is dependent on the connected device's specifications.

△microSD card sold separately. Actual storage capacity depends on the size of the microSD card used. Subscribe for cloud storage at <https://www.mercusys.com/cameracare/>

☆MC410 KIT does not have an Ethernet port and can only be connected via Wi-Fi.

※Actual charging power may vary based on installation location, weather conditions, temperature, and other environmental factors.

◇The suitable operating temperature for the Solar Panel is -20°C to 45°C, The battery charging temperature should be maintained between 0°C and 45°C.