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# **XCAM2 + XW4**

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# **User's Guide**

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## Chapter 1

# 1

# Introduction

*This Chapter provides information of the xCam2 's features, components and capabilities.*

## Overview

Congratulations on the purchase of your new xCam2 . The xCam2 is a True Day/Night IP camera that features high definition 1920 x 1080p video resolution and 802.11ac WiFi connectivity.

## Features

- **Standalone Design.** The xCam2 is a standalone system with built-in CPU and Video encoder. It requires only a power source and a connection to your touch screen.
- **Dual Video Compressions.** The xCam2 supports H.264 and MJPEG video for different image compressions. The Video support High definition (1080p) resolution with 125° viewing angle.
- **Suitable for Home, Business or Public Facilities.** Whether for Home, Business or Public Facility surveillance, or just for entertainment and fun, the xCam2 has the features you need.
- **IR LED Support.** Each xCam2 has two infrared LED. The LEDs can provide illumination around 5 meters long that can help to output a better video quality while under low-light conditions such as indoors, on cloudy days, or in the morning or evening.

## Wireless Features

- **Supports 802.11bgnac Wireless Standard.** The xCam2 product is an 802.11ac 2T2R MU-MIMO device with a dual-band dual-concurrent 2.4GHz and 5GHz radio

## Physical Details - xCam2

### Front - xCam2



**Figure 1: Front Panel**

<b>IR LEDs</b>	IR LEDs provide illumination at night or in a dark environment.
<b>Light Sensor</b>	It supports light sensor to provide automatic day/night mode transition.
<b>Lens</b>	No physical adjustment is required or possible for the lens, but you should ensure that the lens cover remain clean. The image quality is degraded if the lens cover is dirty or smudged.
<b>POWER indicator (Blue/White)</b>	<b>On</b> (Solid Blue) - The xCam2 is working normally.
	<b>Flashing</b> (Slow Blink White) - The xCam2 is in WPS mode.
	<b>Flashing</b> (Double Blink White) - The xCam2 is connected to router and ready to pair.
	<b>2-Way Voice</b> (Slow Blink Blue) – Someone is talking
	<b>On</b> (Solid Amber) - The xCam2 is not connected to a router or has trouble connecting.

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## Rear - xCam2

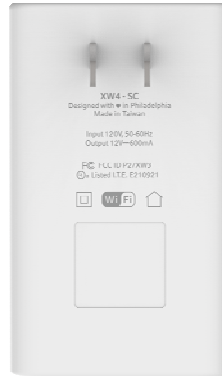


**Figure 2: Rear Panel**

<b>RJ-45 Jack</b>	This RJ-45 connector is used for power connection when the camera is under wireless mode. A customized PoE (Power over Ethernet) splitter.
<b>Reset Button</b>	When pressed and released the reset button, the xCam2 will reboot (restart).  To restore the factory default values: <ol style="list-style-type: none"><li>1. Power On.</li><li>2. Keep holding the reset button down for 5 seconds.</li><li>3. Release the reset button, the xCam2 is now using the factory default values.</li></ol>
<b>Microphone</b>	The built-in microphone is located on the front of the device.
<b>Speaker</b>	The built-in speaker is located on the rear of the device.

## Physical Details - XW4

### XW4



<b>LAN Port</b>	To be connected to the RJ-45 jack of xCam2 for power feed and data exchange.
<b>Reset Button</b>	This button has the following function: <ul style="list-style-type: none"><li>• <b>Reset to manufacturer default valued and reboot.</b> When pressed and held over 5 seconds, the settings of the XW4 will be set to their default values.</li></ul>
<b>WPS Button</b>	Push the WPS button on the device and on your other wireless device to perform WPS function that easily creates an encryption-secured wireless connection automatically.
<b>POWER indicator (Blue/White)</b>	<b>On</b> (Solid Blue) - The XW4 is working normally. <b>Flashing</b> (Slow Blink White) - WPS association is in process. <b>Flashing</b> (Double Blink White) - The XW4 is connected to a router. <b>On</b> (Solid Amber) - The XW4 is not connected to a router or has trouble connecting.

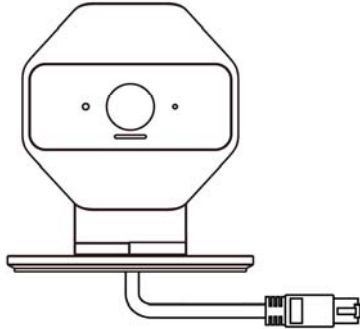


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## Package Contents

The following items should be included in the package: If any of these items are damaged or missing, please contact your dealer immediately.

xCam2 Unit (with Stand and Ethernet RJ-45 pigtail) \* 1



Screw/Anchor x 2

Screw diameter: 3.5 ; Length: 25mm

Anchor inner diameter: 2.9mm ; Length: 30mm



XW4 Unit \* 1



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# Chapter 2

## Basic Setup

# 2

*This Chapter provides information on how to install and configure the xCam2 .*

### System Requirements

- To use the Wireless interface on the wireless model, other Wireless devices must be compliant with the IEEE802.11abgnac specifications. All Wireless stations must use compatible settings.



**Note**

**Mode: Infrastructure**  
**SSID: ANY**  
**Wireless Security: Disabled**  
**Domain: USA**  
**Channel No.: Auto**

### Installation

You must complete the following installation procedure when using the xCam2 for the first time.

#### Step 1 - Adding an xCam2 to your network

Make sure the Router and the Touch Panel are both powered on and synchronized before adding your xCam2 . This step is required when an xCam2 is used for the FIRST time. It only needs to be done **ONCE** in order to configure the wireless settings for the xCam2 .

**Note:** Skip this section if the xCam2 has been set up already.

1. On the Touch Panel, click on **setting** icon on the home page.
2. Enter the "**Master**" code.
3. Enter the "**Technical code/ID**", then click the "**Done**" button.
4. Select "Home Devices". Then choose "Cameras-> Add a Camera".
5. Click the "**Next**" button to check network.

6. Install the xCam2 .



**Figure 3: Camera Installation**

- a. Connect the customize PoE cable of xCam2 to the XW4.
  - b. Plug XW4 in AC source (110-120V only).
  - c. Press WPS button to connect to the XW4 and the Home Gateway.
  - d. Check and make sure that the *Power LED* is on.
7. Click "**Next**" button. The Touch Panel will start adding the xCam2 .
  8. Click "**Accept**" button.
  9. Click "**Next**" button.
  10. Enter the required data for the device. Click "**Next**".
  11. Adjust the xCam2 , if required. Click "**Next**".
  12. Click "**Verify Camera**" button. Then click "**Next**".
  13. Click on "**Cameras**" on the main screen.
  14. Now you can see the live stream in the touch panel. Setup is now complete.

## Physical Installation



**Figure 4: Installation**

1. Move the xCam2 to where it is to be placed.
2. Connect the customize PoE cable of xCam2 to the XW4.
3. Plug XW4 in AC source (110V only).
4. Check and make sure that the *Power LED* is on.

## Wall Mounting

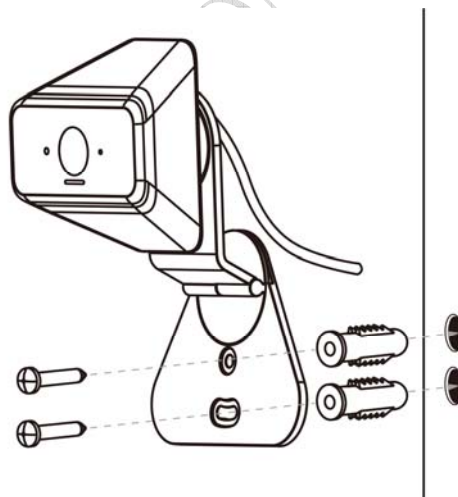
**\*Note:** Please make sure that the xCam2 is configured and added to the network before permanent mounting.

1. Use the electric drill for boring two holes in the desired position where you would like to install the xCam2 .



**Note:** It is suggested to use "PH2" screwdriver. The diameter of the mounting hole is 6.35mm and total depth is 36.2mm.

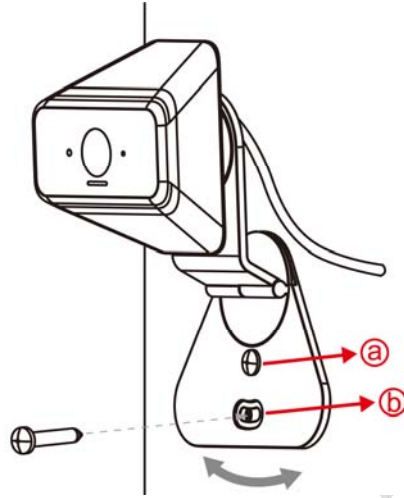
2. Screw the two anchors into the holes of the wall.
3. Attach the xCam2 to the wall and secure it with the two screws.



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**Note:** The following steps are recommended:

- a. Mount the camera with the screw first.
- b. Adjust the angel by moving the opening of the stand. Install the other screw after the adjustment.



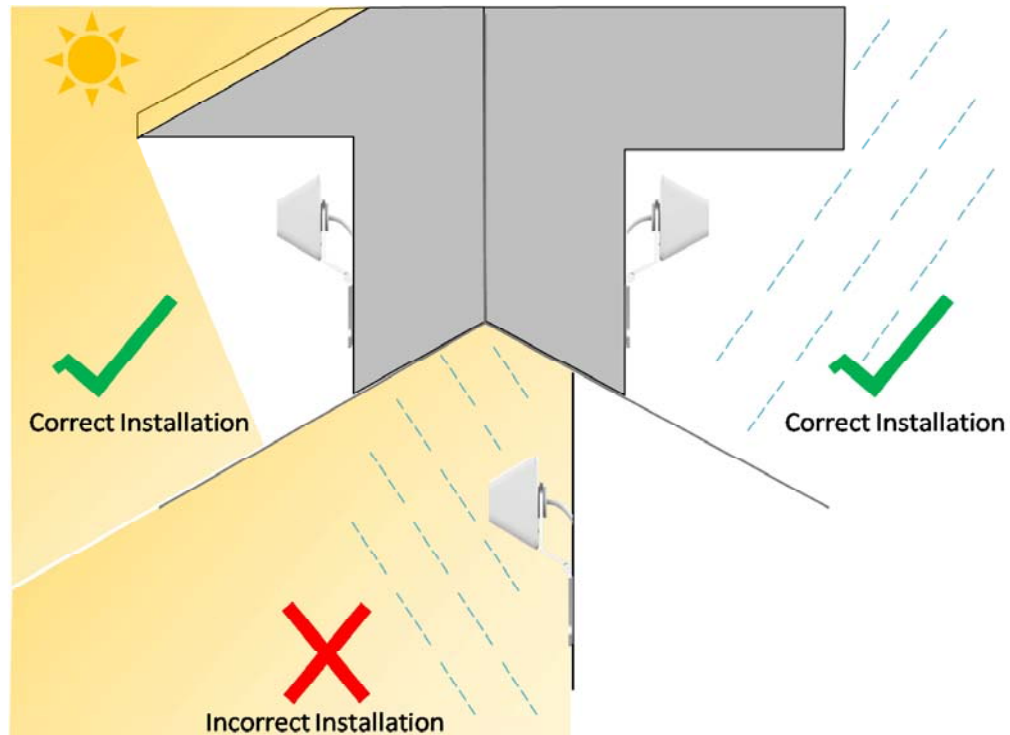
4. Ensure that the xCam2 is secured firmly.

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## Installation Guidance

### \*Note:

- While xCam2 is water resistant, it is must to limit exposure to rain.
- Where possible, install xCam2 under building overhang to limit exposure to the elements.
- The camera is only to be connected to PoE networks without routing to outside plants.
- XW4 WiFi adapter will be indoor use.



# Appendix A

## Specifications



### Spec

#### xCam2

Model	xCam2
Dimensions	88mm (W) x 97mm (H) x 83mm (D) (with stand)
Operating Temperature	-20° C to 50° C
Video compression	H.265 and MJPEG
Network Interface	1 Ethernet 10/100BaSCT (RJ45 pigtail)
Storage Temperature	-20° C to 70° C
LED	1
Buttons	1 Reset Button
Power Adapter	XW4

#### XW4

Model	XW4
Operating Temperature	0° C to 50° C
Network Interface	1 Ethernet 10/100BaSCT (RJ45 port)
Storage Temperature	-20° C to 70° C
LED	1
Buttons	1 Reset Button 1 WPS Button
Antenna	2 x 2
Power Adapter	AC Plug. Input: 120V, 50-60Hz



## Regulatory Approvals

### FCC Statement

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

To assure continued compliance, any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment. (Example - use only shielded interface cables when connecting to computer or peripheral devices).

Operations in the 5.15-5.25GHz band are restricted to indoor usage only.

This device meets all the other requirements specified in Part 15E, Section 15.407 of the FCC Rules.

### FCC Radiation Exposure Statement

This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20 centimeters between the radiator and your body.

Note: The country code selection is for non-US model only and is not available to all US model. Per FCC regulation, all WiFi product marketed in US must fixed to US operation channels only.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) This device must accept any interference received, including interference that may cause undesired operation.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

This product is UL and cUL certified and comply with UL60950-1 Information Technology Equipment applicable requirement.

## Disposal Instructions

Sercomm is committed to responsible environmental stewardship. Please dispose of this product properly in accordance with local laws and regulations in your area. Contact your local waste disposal authorities or consult [www.e-cyclingcentral.com](http://www.e-cyclingcentral.com) to find an electronics recycling center near you. Penalties may be incurred for incorrect disposal."

## Manufacturer Contact Information

Please contact Tina\_Chen@Sercomm.com or Alice\_Lin@Sercomm.com for warranty/customer support.

## Label Information

xCam2 Deice Label Sample (Label size: 29.5\*15mm)



XW4 Deice Label Sample (Label size: 21\*20.5mm)



xCam2 Box label Sample (Label size: 45\*45mm)



XW4 Box label Sample (Label size: 45\*45mm)

