Quick Installation Guide

Wireless Managed Indoor Mesh Camera

4 Adding Managed Mesh Camera

**A)** All Managed Mesh Camera(s) connected to the same network as the Wireless

Camera by checking the box and click Add to manage the device.

Management Switch will appear on the right side of the screen, under the

Access Point AP(s) Detected list. Locate and select the Managed Mesh

**EWS Series Mesh Camera** 

#### **Package Contents**



EWS1025CAM Managed Indoor

Mesh Camera











Mounting Kit

#### T-Rail Mounting Kit

#### **Minimum Requirements**

- Broadband Internet Service

- Internet Browser
- (Internet Explorer, Safari, Firefox, Chrome)

- EnGenius Wireless Management L2 Switch

# 5 How to Setup Mesh Network

(Through EnGenius Wireless Management Switch GUI)

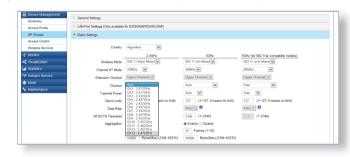
**A)** Setup the Mesh profile for mesh devices includes 2.4GHz mesh or 5GHz mesh, Mesh ID, Mesh Password and Mesh RSSI



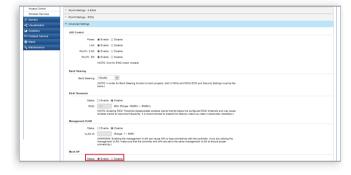
B) Add Managed Mesh Camera(s) to specific AP Group to save repetitive



C) Setup the channel of Mesh Radio(Cannot be Auto)



#### **D)** Enable Mesh AP, then click **Apply**.



1 Connecting the Mesh Camera

A) Connect one end of the Ethernet Cable into an Ethernet Port on the

B) Connect another Ethernet Cable into the Ethernet Port of the Managed

end to the Ethernet Port on the computer

configurations.

front panel of the EnGenius Wireless Management Switch and the other

Mesh Camera and the other end to the **Ethernet Port** on the Wireless

Management Switch. With the Wireless Management Switches, the Managed Mesh Camera is able to obtain proper assigned IP address for further

(Through EnGenius Wireless Management Switch)

PoE Wireless Management Switch

ErGenta

**E)** Upon successful connection and setup, user can go through different sections on the Mesh management page for the detail information.



## 2 IP Address Configuration

Managed Access Point Installation with Wireless Management Switch

**A)** Once your computer is on, ensure that your TCP/IP is set to **On** or **Enabled**. Open Network Connections and then click **Local Area Connection**. Select **Internet** Protocol Version 4 (TCP/IPv4). **B)** If your computer is already on a

network, ensure that you have set it to a Static IP Address on the (Example: 192.168.0.88 and the

Subnet Mask address as 255.255.255.0.)

## **3** Management Switch Setup

A) Open a web browser on your computer. In the address bar of the web browser, enter 192.168.0.239 and enter.



**B)** A login screen will appear. By default, username is **admin** and the password is **password**. Enter the current username and password of the Wireless Management Switch and then click **Login**.



C) The EnGenius Wireless Management Switch User Interface will appear Make sure the **Controller State** is set to **Enabled**.



### **Mounting the Mesh Camera**

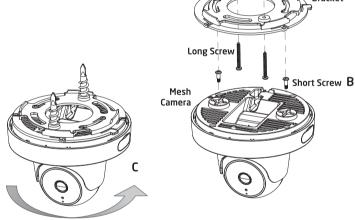
#### To attach the Mesh Camera to a ceiling using the mounting bracket:

Use the following DNS server addresse

Alternate DNS server:

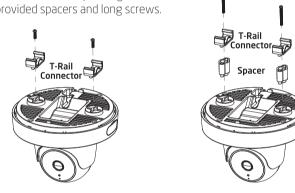
- A) Attach the mounting bracket to the ceiling using the provided mounting
- **B)** Insert the provided short screws into the mounting holes. Make sure there's enough space between the screws and unit for the mounting bracket. If extra space is required, use the provided spacers and long screws from the T-Rail mounting kit.



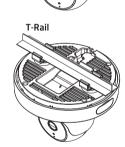


#### To attach the Mesh Camera to a ceiling using T-Rail connectors:

A) Attach the T-rail connectors to the bottom cover of the Mesh Camera using the provided short screws. Use appropriate size T-rail connectors (15/16" or 9/16"). If extra space is required to accommodate drop ceiling tiles, use the provided spacers and long screws.



**B)** Line up the connected T-rail connectors with an appropriately sized rail and press the unit onto the rail until it snaps into place.



www.engeniustech.com.sg/e\_warranty\_form techsupport@engeniustech.com.sg Toll Free:

Singapore: 1800 364 3648

**Note:** To protect your Mesh Camera, use the Kensington security slot to attach a cable lock (cable lock is not included).

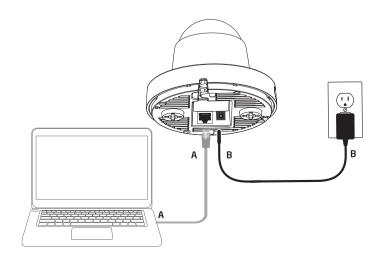
### **Stand-alone Mesh Camera Installation**

### 1 Connecting the Mesh Camera

B) You may configure your Managed Mesh Camera(s) after you successfully connected to the Wireless Management Switch through its GUI.

- **A)** Connect one end of the **Ethernet cable** into the **Ethernet port** of the Mesh Camera and the other end to the **Ethernet port** on the computer.
- **B)** Connect the **Power Adapter** to the **DC-IN port** of the Mesh Camera and plug the other end into an electrical outlet.

**Note:** The Mesh Camera supports both IEEE **802.3af PoE** (Power over Ethernet) or the included power adapter. You may use either one as the power source. **DO NOT use both at the same** 



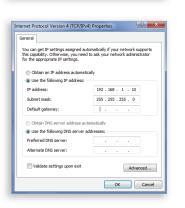
## 2 IP Address Configuration

**A)** Once your computer is on, ensure that your TCP/IP is set to **On** or

Enabled. Open Network Connections and then click **Local** Configure... **Area Connection**. Select **Internet**  Continue to the continue Protocol Version 4 (TCP/IPv4). Install... Uninstall Properties

**B)** If your computer is already on a network, ensure that you have set it to a Static IP Address on the interface.

(Example: 192.168.1.10 and the Subnet Mask address as 255.255.255.0.)



## **3** Mesh Camera Setup

**A)** Open a web browser on your computer. In the address bar of the web browser, enter **192.168.1.200** 

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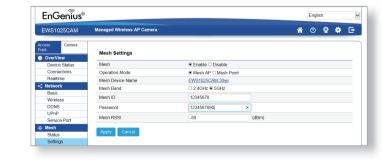


**C)** The EnGenius Mesh Camera User Interface will appear. This device can operate in the mode of Mesh connection only, or Mesh connection with

EWS1025CAM	Managed Wireless AP	Camera				<u> </u>	Φ	Q	•	₽
Access Camera Point	Wireless Settings									
OverView	Device Name	EWS1025CAM	0001							
Device Status										
Connections	Country / Region	USA	¥							
Realtime		Disabled								
< Network €	Band Steering		r for Band Steering t	unction to work prope	erly, both 2.4GHz ar	nd 5GH	ız SSI	D and		
Network Basic	Band Steering®		100	unction to work prope	erly, both 2.4GHz ar	nd 5GH	dz SSI	D and		
	Band Steering		r for Band Steering t	unction to work prope	erly, both 2.4GHz ar	nd 5GH	ız SSI	ID and		
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Basic Wireless			r for Band Steering to must be the same.		5GHz					
Basic Wireless DDNS	Band Steering  Operation Mode		r for Band Steering to must be the same.	runction to work property				D and		
Basic Wireless DDNS UPnP			r for Band Steering to must be the same.		5GHz					
Basic Wireless DDNS UPnP Service Port	Operation Mode Wireless Mode		r for Band Steering 1 5 must be the same.  2.4GHz  Access Point  802.11 B/G/N	▼ ☑ Green ☑	5GHz Access Point 802.11 AC/N	•				
Basic Wireless DDNS UPnP Service Port	Operation Mode Wireless Mode Channel HT Mode		r for Band Steering Is must be the same.  2.4GHz  Access Point  802.11 B/G/N  20MHz	☑ Green ☑	5GHz Access Point 802.11 AC/N 40MHz	•				
Basic Wireless DDNS UPnP Service Port Mesh Status	Operation Mode Wireless Mode		r for Band Steering 1 5 must be the same.  2.4GHz  Access Point  802.11 B/G/N	▼ ☑ Green ☑	5GHz Access Point 802.11 AC/N	•				

## 4 How to Setup Mesh Network

**A)** Setup the same parameters of Mesh profile for each Mesh device in the mesh network.



B) Upon successful connection and setup, user can go through different sections on the Mesh management page for the detail information.

EWS1025CAM	Managed Wireless A	IP Camera			<b>⋒</b> ∪	Q # ® E
Access Camera Point	Node List Lin	nk Status Ping	Trace Route	Throughput		
OverView						
Device Status	Mesh ID:12345678	0				
Connections					4	4
Realtime	Refresh				1 Node(s)	1 Root Node(s)
< Network						
Basic						
Wireless	Node	Type	Hops Count 0	Neighbor Nodes 0	(RSSI)	Signal Strength @
DDNS	EWS1025CAM-30ve	Root Node	· · · · · · · · · · · · · · · · · · ·	Troighbor Trodoo •	(	Olgital Citoligati •
UPnP	(8A:DC:96:FA:13:01)	Root Node	-0			
Service Port						
Mesh						
Status						
Settings	1					
Tools						
Management						

#### **Technical Support**

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Asia Singapore Oceania

Others Taiwan, R.O.C

#### Notes

Maximum data rates are based on draft IEEE 802.11ac and/or IEEE 802.11 standards. Actual throughput and range may vary depending on many factors including environmental conditions, distance between devices, radio interference in the operating environment, and mix of devices in the network. Features and specifications subject to change without notice. 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. Trademarks and registered trademarks are the property of their respective owners. For United States of America: Copyright ©2017 EnGenius Technologies, Inc. All rights reserved.