

# Ward 1.0

## User Manual



ENGLISH

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# Acronyms and Abbreviations

Acronym/ Abbreviation	Definition
A	Ampere
AC	Alternative Current
DHCP	Dynamic Host Configuration Protocol
EyeCU	Eye See You
IP	Internet Protocol
IPC	IP Camera
LAN	Local Area Network
ONVIF	Open Network Video Interface Forum
OS	Operating System
PC	Personal Computer
PLA	Polylactic Acid
V	Volt

# Introduction

## Overview

Ward is an edge device powered with intelligent modules and advanced networking. Its main goal is to effectively maintain camera surveillance system events. It monitors every assigned camera.

## Key Features

- Real time event detection
- Instant notification system

# Package Elements

Check if the following items are included in package. If anything is missing or appears damaged, contact your dealer immediately.



**5V 4.5A Adapter\***



**Ethernet Cable**



**Ward**

\* Adapter head differs from region to region.

# Product Views

## Bottom View



## Top View



## Front View



## Back View

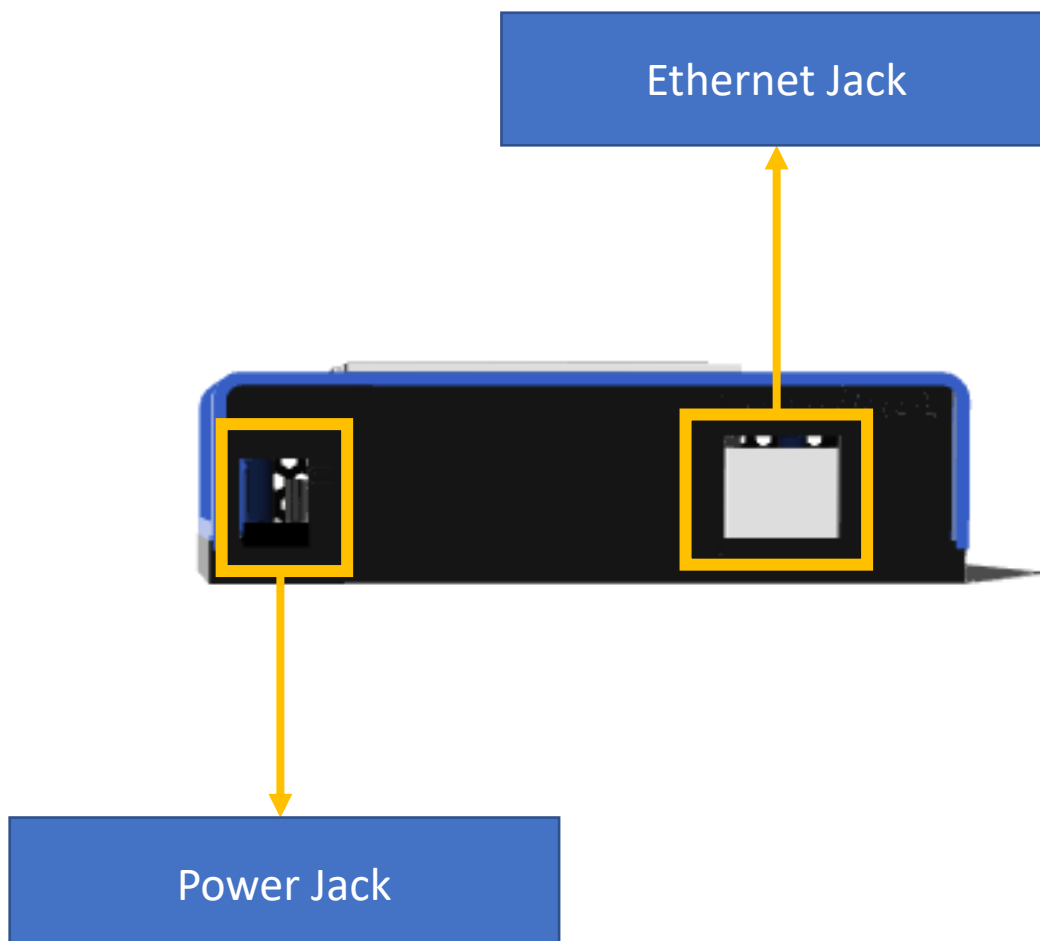


# Set up your Ward

Ward connects to your home network and allows you to mount your local IP cameras.

➤ To integrate your Ward:

1. Connect your Ward to your router using the Ethernet cable.
2. Connect the AC adapter to your Ward.





# Configure your Ward

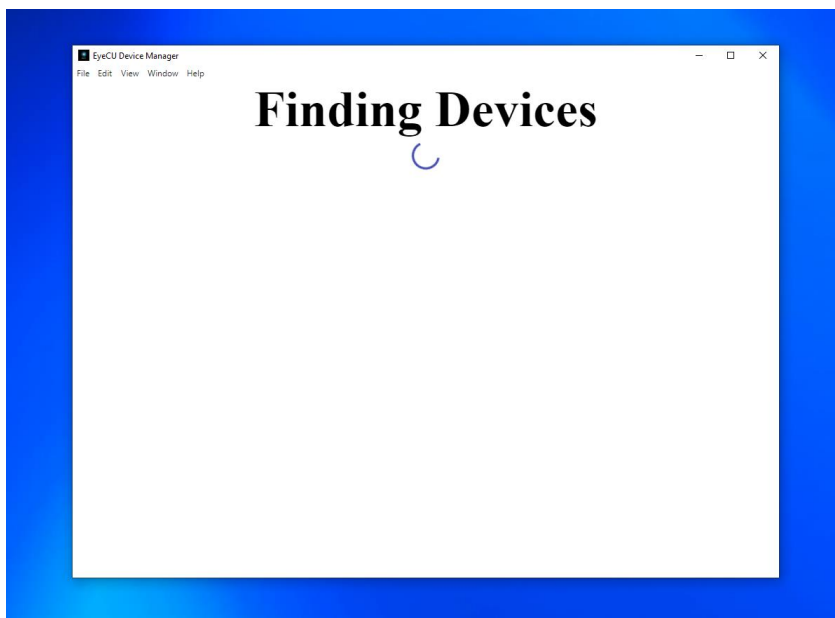
Before configuring your IPCs to your Ward, Device Manager should have been installed. It can be installed from [this link](#).

➤ To configure your cameras:

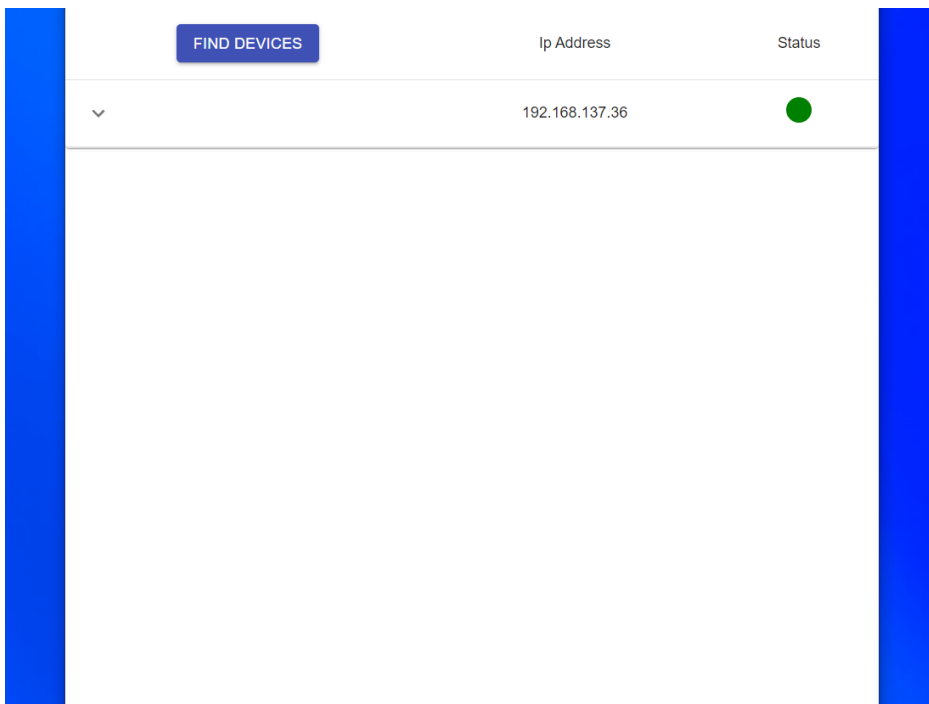
1. Open Device Manager software.



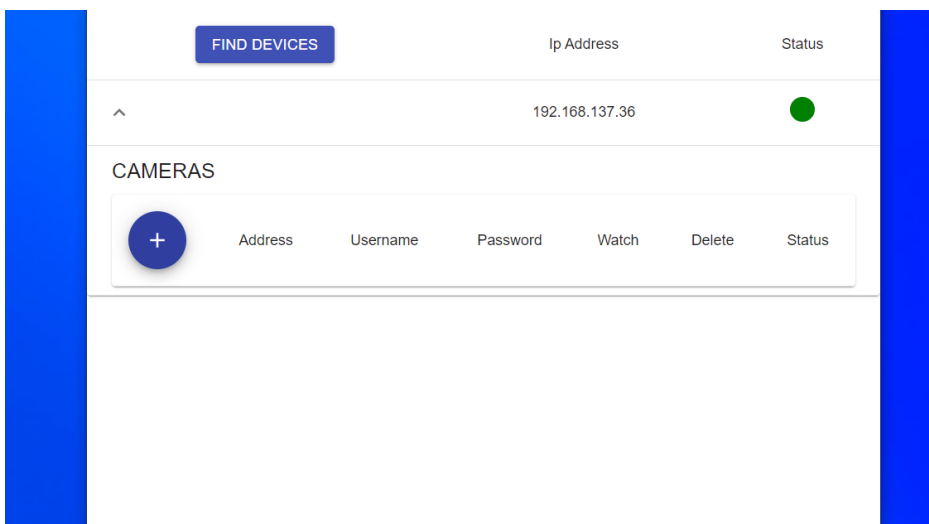
2. Connect your PC to same network as your Wards.
3. Wait for application to find Wards on the local area network.



4. Select the Ward you want to mount to your IPC.



5. Click add button to mount an IPC.



6. Enter your IPC credentials and click ADD button.

+

Address	Username	Password	Watch	Delete	Status
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### Add Connection

Ip Address  
192.168.1.120

Username: admin      Password: 12345

ADD

7. Your IPC is now surveyed by the Ward at the 192.168.137.36!

FIND DEVICES

Ip Address	Status
192.168.137.36	●

CAMERAS

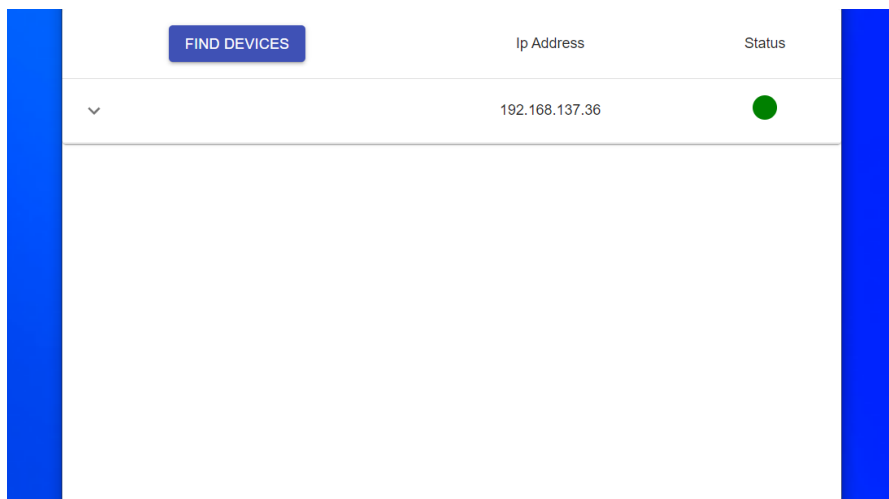
+	Address	Username	Password	Watch	Delete	Status
	192.168.1.120	admin	12345	WATCH	DELETE	●

# Troubleshooting

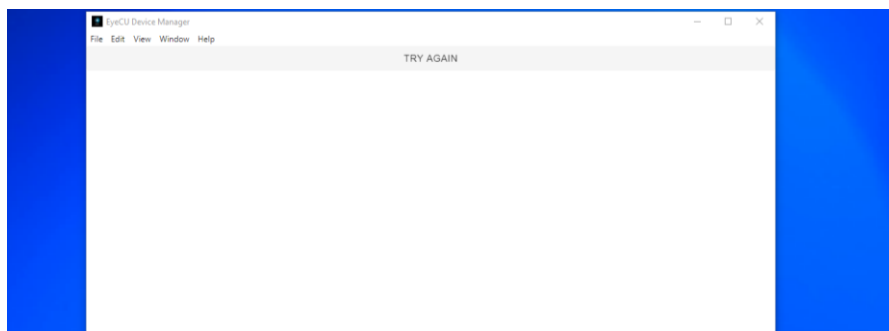
**Problem #1:** My Ward is not seen in software.

## Solutions:

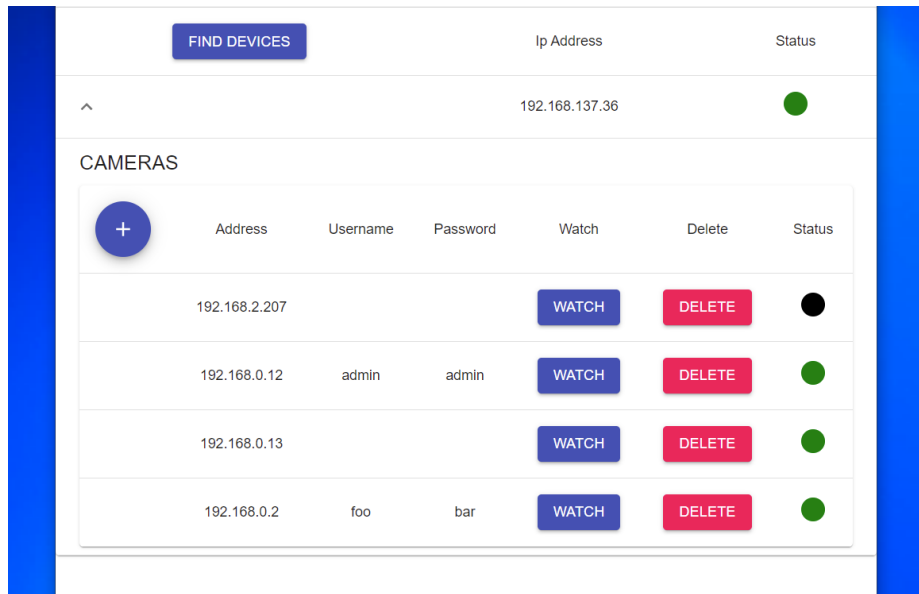
- ✓ Check your internet connection. If your computer is not connected as same network as your devices, you wouldn't find your Ward.
- ✓ Restart your Ward by plug-out and plug-in the power cable. Wait for until green light turns on.
- ✓ Click Find Devices if desired Ward cannot be found.



- ✓ Click Try Again if no device was found.



## Problem #2: Ward cannot connect to IPC.



## Solutions:

- ✓ Check your IPC whether it is online.
- ✓ Check the connectivity between desired IPC and Ward. For further information, look Network Connection section.

# Safety Precautions



## Placement of the Wards

**Avoid placing your Ward subject to:**

- **strong sunlight.**
- **temperatures above 40°C (104°F).**
- **high moisture.**
- **dust.**

## Prevent malfunctions

- **Only use adapters with 5V 4.5A.**
- **Do not bang your Ward or subject it to strong impacts.**
- **Avoid exposure to any kind of liquid.**

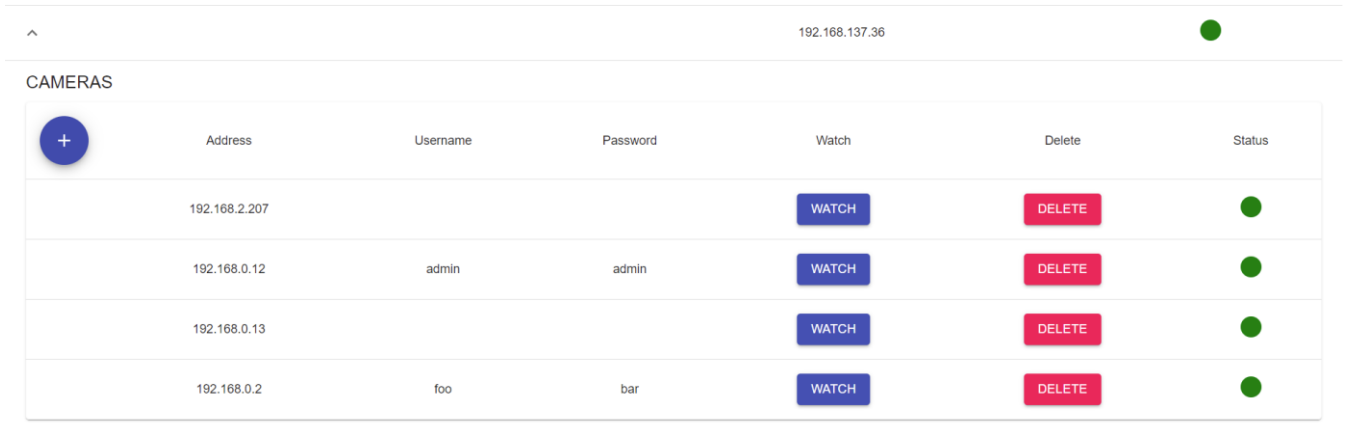
# Status Colours

Ward evaluates video stream coming from mounted camera. Device manager uses three different status colours to demonstrate status of the mounted cameras with respect to














	Status/Situation	Camera Connection	Critical Event
●	Normal	✓	✗
●	Critical	✓	✓
●	Unavailable	✗	✗

# Event Detection

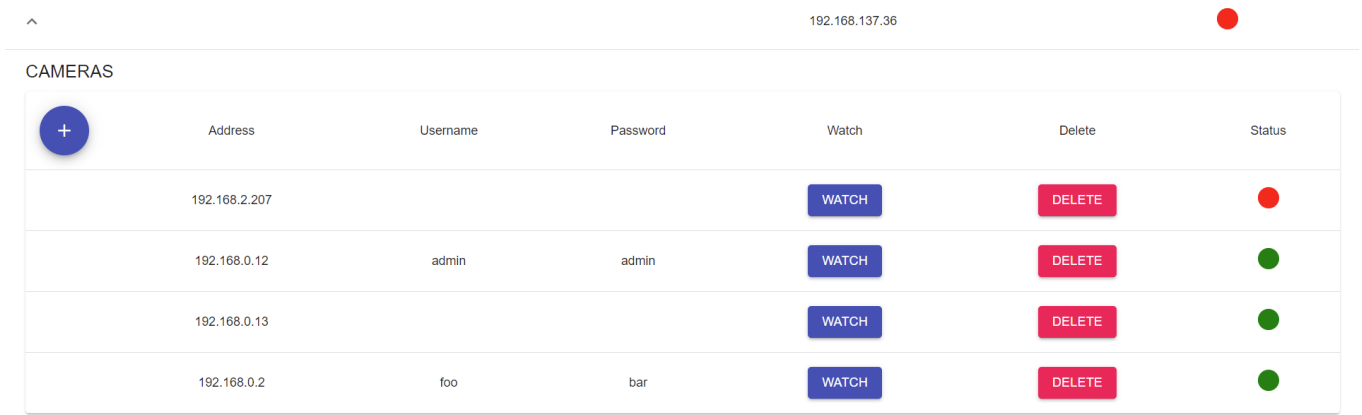
Ward comes with fire detection module as default. When there is no critical event, all status buttons look green.
















The screenshot shows the top of the Ward interface with a green status indicator. Below the 'CAMERAS' section, a table lists four cameras. Each camera row has a 'WATCH' button (blue) and a 'DELETE' button (red), and a green status dot in the 'Status' column.

	Address	Username	Password	Watch	Delete	Status
	192.168.2.207					
	192.168.0.12	admin	admin			
	192.168.0.13					
	192.168.0.2	foo	bar			

When there is a critical event, status of the exact camera and ALL mounted Wards turns red.



The screenshot shows the top of the Ward interface with a red status indicator. Below the 'CAMERAS' section, a table lists the same four cameras. The 'WATCH' buttons are blue and 'DELETE' buttons are red. The status dot for the first camera (192.168.2.207) is red, while the others are green.

	Address	Username	Password	Watch	Delete	Status
	192.168.2.207					
	192.168.0.12	admin	admin			
	192.168.0.13					
	192.168.0.2	foo	bar			



# Requirements

## PC Requirements

- 512 MB RAM
- Required OS :
  - Windows 7,8,10
  - OS X 10.9 or higher

## IPC Requirements

- ONVIF Support

# Specifications

Hardware	Jetson Nano 4GB
Bottom Case Material	PLA
Top Case Material	PLA

# Disclaimer

- This manual is prepared for giving complete information about the Ward and Device Manager. However, if you notice that something is missing, please [contact us](#).
- Reprinting this manual without permission of EyeCU is prohibited.
- Contents of this user manual may have been deprecated without your information. Thus, please update your manual from [EyeCU website](#).
- EyeCU accepts no liability damages due to the misuse of the products.

