Image-F

Multi-Face Fever Detection
User Manual for TK130

DFI

Version information：

Version	Content	Date
Ver. 1.0	Version 1	2020/6

DFI | Design For Innovation

Table of Contents

DFI | Design For Innovation

1. TK-130 Thermal camera

Main feature
Temperature measurement range: 30-45°C
Working temperature: 10-35°C
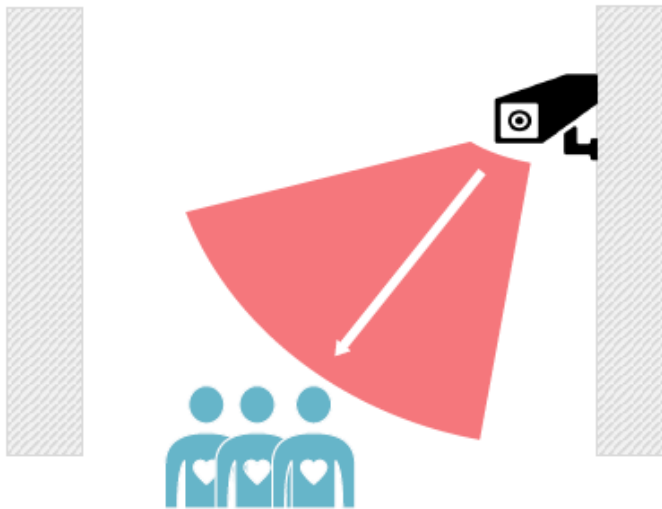Accuracy: ±0.5°C
Resolution:384 × 288

2. Installation Requirements

Mount the TK-130 to the recommended height, approx. 2.5 meters.
The best detect distance between human & camera is approx.2.5-9 meters.

DFI | Design For Innovation

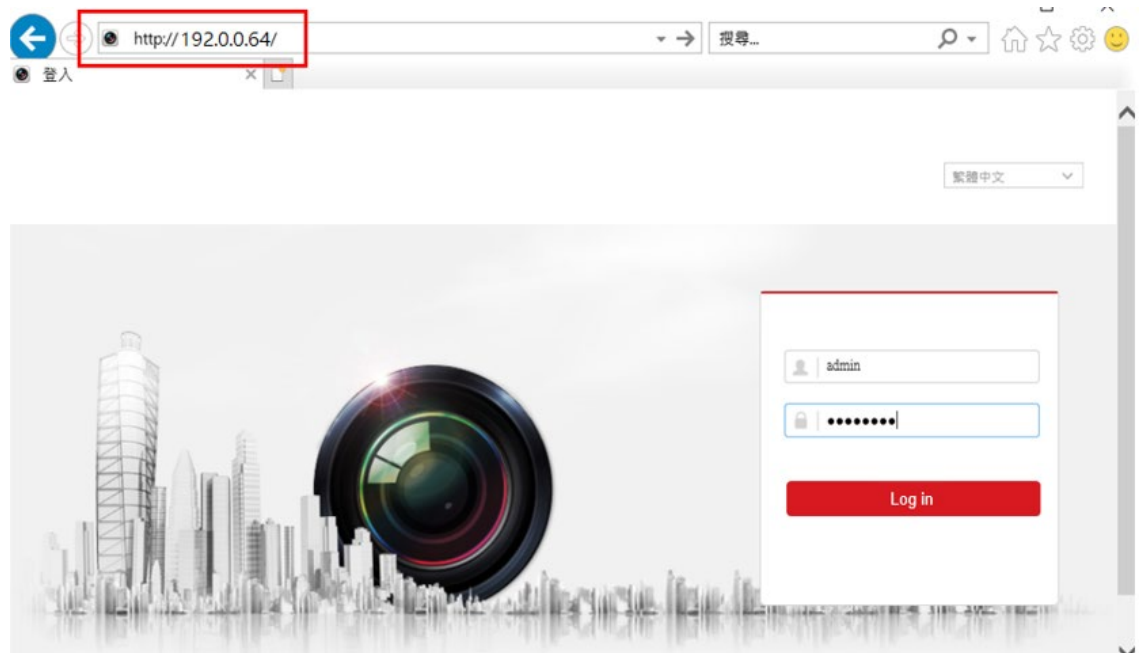# 3. Camera Settings

3-1. Log in to the web interface

Key in the camera's IP with Internet Explorer to enter the web UI.
The default IP Address would be: 192.0.0.64
The default user credentials would be:

User: admin
Password: 12345

3-2. IP Address settings

The factory default IP Address would be: 192.0.0.64

- Modifying IP using camera web interface
  (1) Go to 【Configuration】 > 【Network】 > 【Basic Settings】 > 【TCP/IP】 on web interface
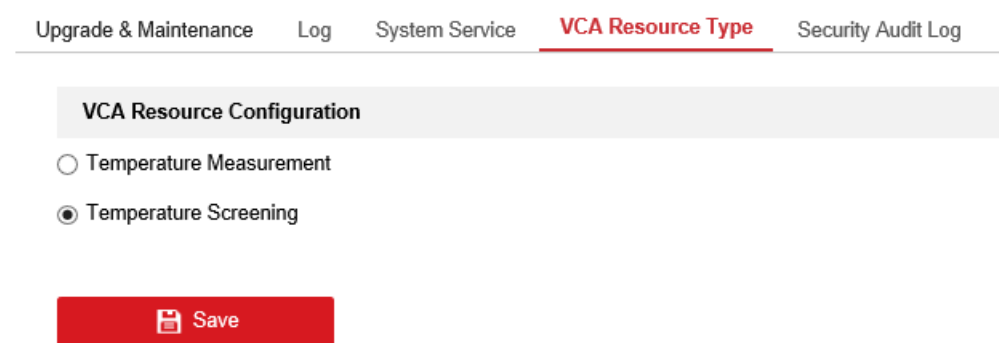   Set up IPv4 address, subnet mask and gateway here.

Press [💾 Save] to save the change

3-3. Global Parameters settings

Before using TK-130 to detect human temperature, you should set up some parameters

- Go to 【Configuration】>【System】>【Maintenance】>【VCA Resource Type】

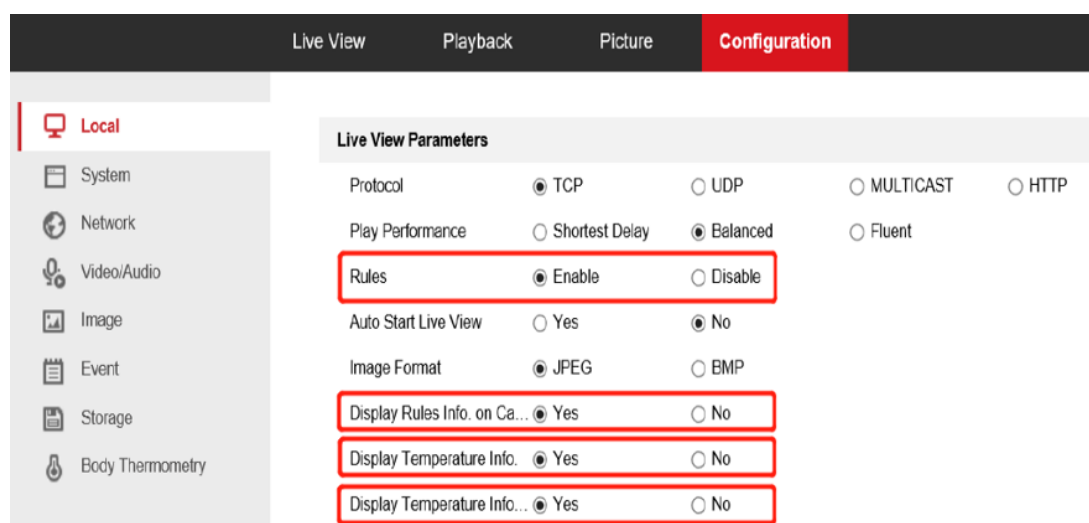 Make sure you have choose the *Temperature Screening*

| Upgrade & Maintenance | Log | System Service | **VCA Resource Type** | Security Audit Log |

VCA Resource Configuration

○ Temperature Measurement

◉ Temperature Screening

💾 Save

- Live View Parameters

  Go to 【Configuration】>【Local】

  Enable and save the following settings:

| | Live View | Playback | Picture | **Configuration** |

🖥 Local

Live View Parameters

	System	Protocol	◉ TCP	○ UDP	○ MULTICAST	○ HTTP
○	Network	Play Performance	○ Shortest Delay	◉ Balanced	○ Fluent	
🎤	Video/Audio	Rules	◉ Enable	○ Disable		
🖼	Image	Auto Start Live View	○ Yes	◉ No		
📅	Event	Image Format	◉ JPEG	○ BMP		
📋	Storage	Display Rules Info. on Ca...	◉ Yes	○ No		
🌡	Body Thermometry	Display Temperature Info.	◉ Yes	○ No		
		Display Temperature Info...	◉ Yes	○ No		

DFI | Design For Innovation

- Basic Settings
  Go to 【Configuration】>【Temperature Screening】>【Basic Settings】>
  【Basic Settings】
  Choose *Camera 01*, configure and save the following settings:
  Please set the distance as the real situation.

DFI | Design For Innovation

- Temperature Screening Configuration
  Go to 【Configuration】>【Temperature Screening】>【Basic Settings】>
  【Temperature Screening Configuration】
  Configure *Camera 01* (Optical) Settings.
  (1) Make sure you have set the temperature to ensure alarm and pre-alarm.
  (2) Press *Draw Area* to adjust face detection region

  (3) Set up Max. and Min. Pupil Distance
  You can use the button below the image to set pupil distance. Max and Min distance refer to camera detection distance.

DFI | Design For Innovation
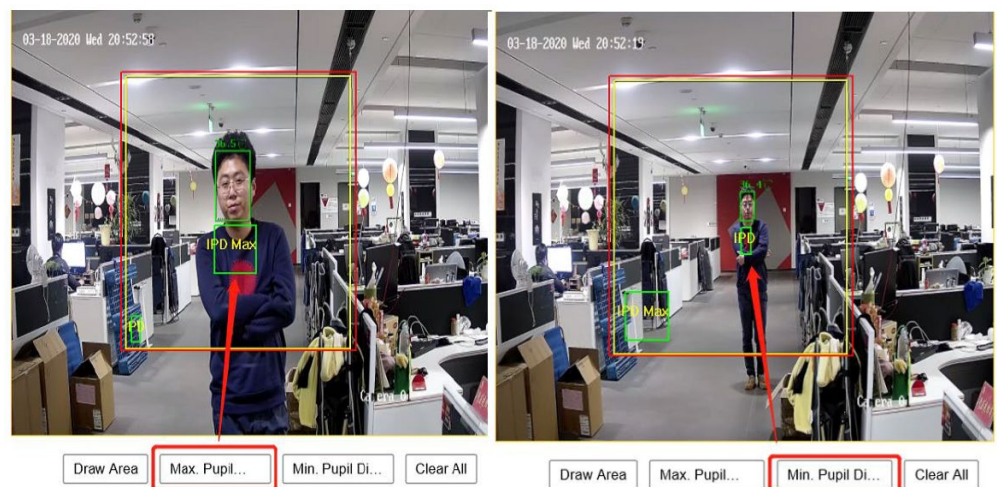
Configure Camera 02 (Thermal) Settings.

Uncheck *Enable Blackbody Correction* If no blackbody is used.

Check.

Enable of Body Temperature Compensation and keep parameters as default.

Manual Calibration can adjust some errors if needed.

DFI | Design For Innovation
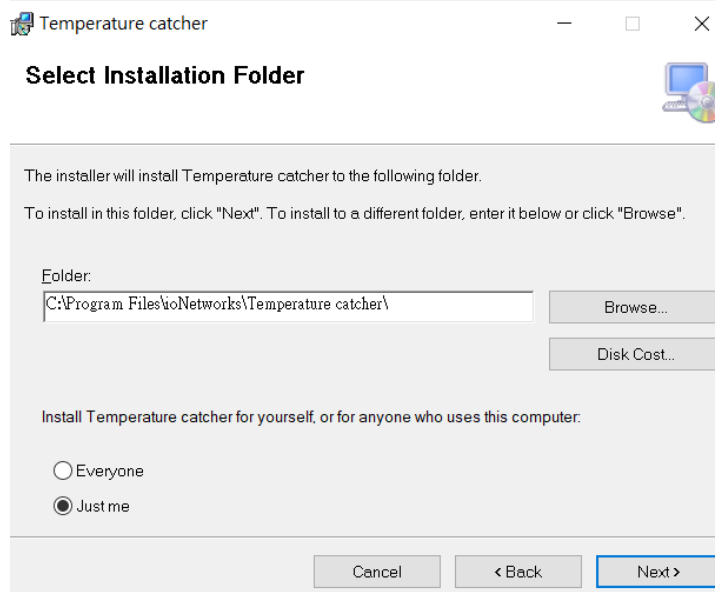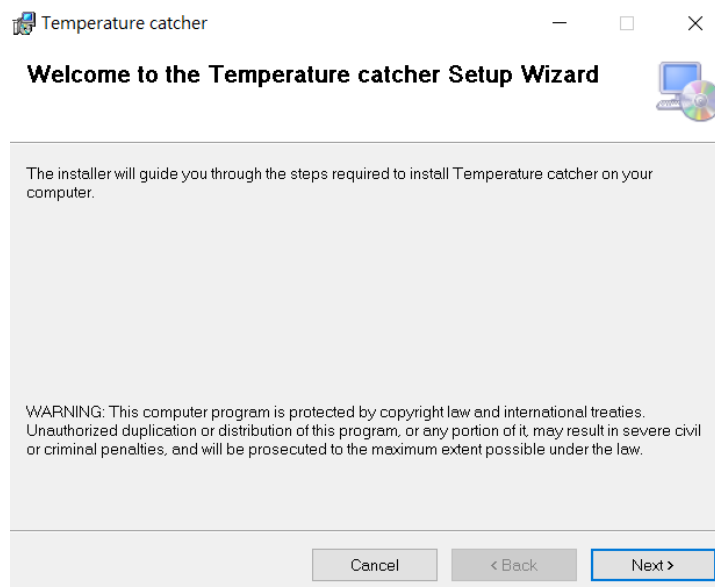
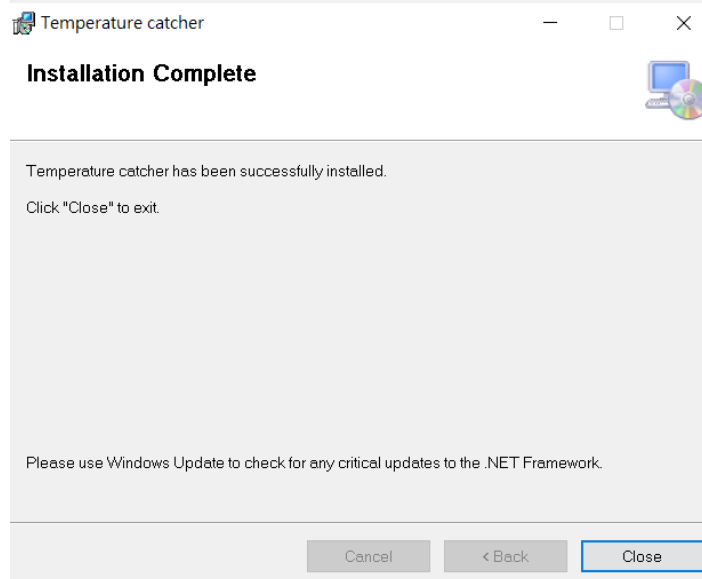## 4. Notification on EZ Pro
4-1. Install *Temperature catcher*

To post notification on EZ Pro, we need to install the setup tool first.
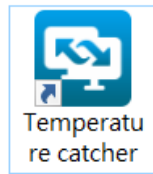(1) Execute the installer.

Installer-Te
mperature
catcher
(EN)
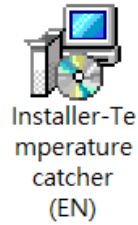
(2) Follow the steps to finish the installer.

DFI | Design For Innovation

Temperature catcher

Confirm Installation

The installer is ready to install Temperature catcher on your computer.

Click "Next" to start the installation.

Cancel   < Back   Next >

Temperature catcher

Installing Temperature catcher

Temperature catcher is being installed.

Please wait...

Cancel   < Back   Next >

Temperature catcher

Installation Complete

Temperature catcher has been successfully installed.

Click "Close" to exit.

Please use Windows Update to check for any critical updates to the .NET Framework.

Cancel   < Back   Close

DFI | Design For Innovation

4-2. *Temperature Catcher* Setting

(1) Execute *Temperature catcher.*

Temperatu
re catcher

(2) Set the Camera and EZ Pro server information.
Default camera port would be: 8000.
Press Connect can check the connect status.
Set the Alarm temperature.
Don't forget to *save setting* before start service.

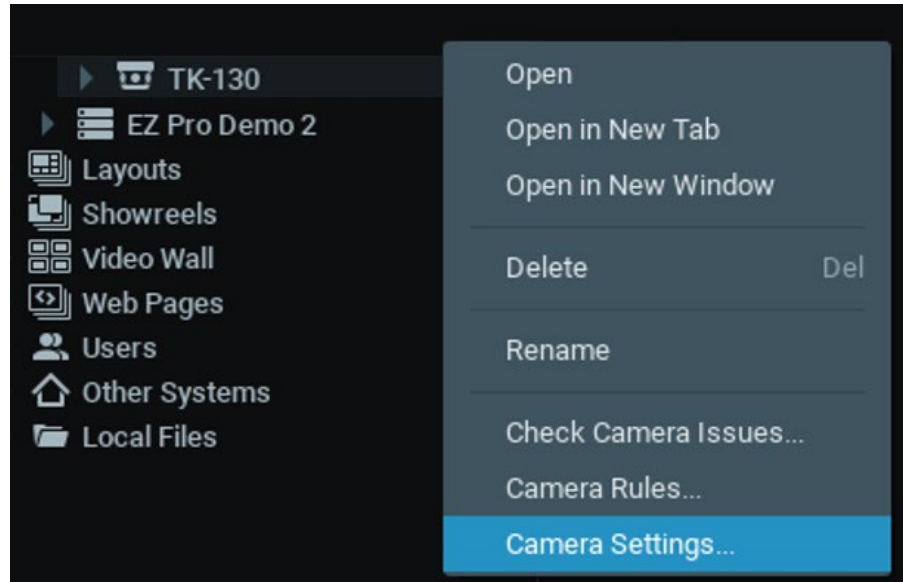(3) Stop service before you need to modify settings.

DFI | Design For Innovation
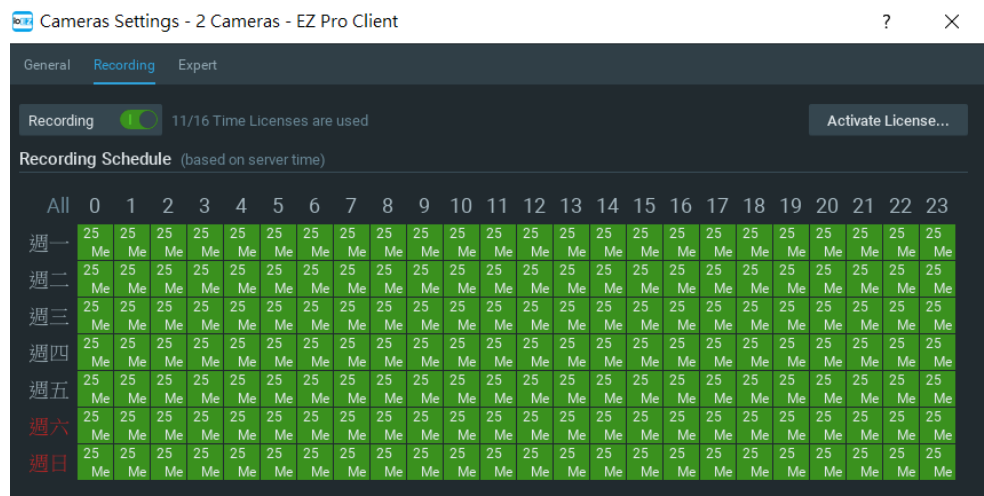
4-3. EZ Pro Setting

【Camera recording setup】

To use EZ Pro's push notification function, (including alarm triggering and event recording etc.), the camera recording should be properly setup first.
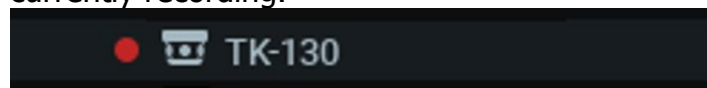
(1) Right-click on the camera name and select *Camera Settings*.

(2) In the 【Recording】tab, turn on the recording and select 【all time frames】 on the "Recording Schedule"

(3) The small red dot next to the camera icon indicates that the camera is currently recording.

DFI | Design For Innovation

【Adding a new alarm rule】

EZ Pro can receive alarm event from TK-130 and set actions.
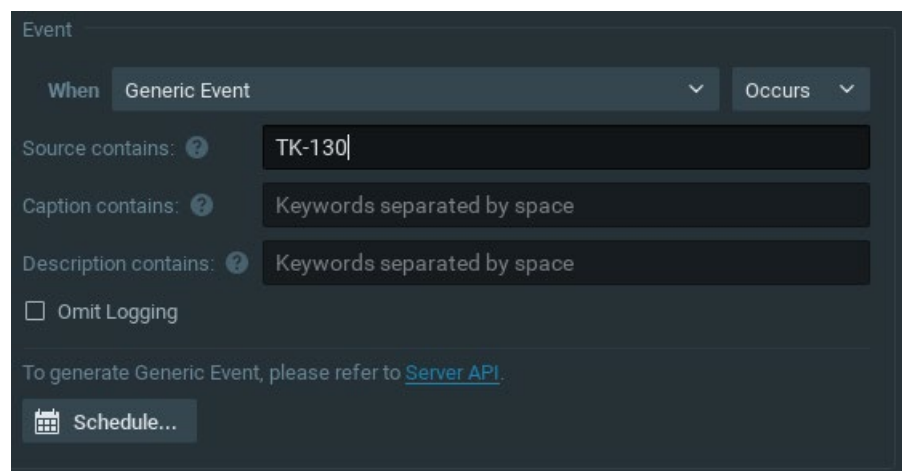
(1) Add a new event rule 【Main Menu】 > 【System Administration】 > 【Event Rules】 > 【Add Event Rules】
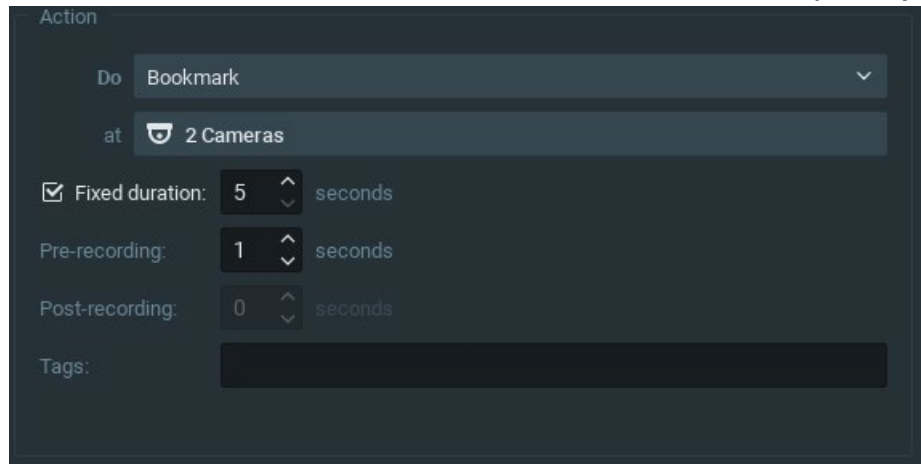

(2) Setting event rules
Select *Generic Event*.
Source contains: TK-130

DFI | Design For Innovation

(3) Setting an alarm action
Set an action to be executed by EZ Pro when alarm conditions are met.
(E.g. *Play sound*, *insert bookmark* etc.; but only ONE action can be
selected at a time. If the user wants EZ Pro to *Play sound* and *insert
bookmark* at the same time, then two event rules are required.)

(4) Click *OK* and *Save* to complete alarm settings.

DFI | Design For Innovation