Image-F

Multi-Face Fever Detection
User Manual for TK130
### Version information:

<table>
<thead>
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<th>Version</th>
<th>Content</th>
<th>Date</th>
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<tbody>
<tr>
<td>Ver. 1.0</td>
<td>Version 1</td>
<td>2020/6</td>
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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.
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.

<table>
<thead>
<tr>
<th>TCP/IP</th>
<th>DDNS</th>
<th>PPPoE</th>
<th>Port</th>
<th>NAT</th>
<th>Multicast</th>
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<tr>
<td>NIC Type</td>
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<td>DHCP</td>
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<td>IPv4 Address</td>
<td>192.168.1.64</td>
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<td>IPv4 Subnet Mask</td>
<td>255.255.255.0</td>
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<td>IPv4 Default Gateway</td>
<td>192.168.1.1</td>
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</table>

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*

- Live View Parameters
  Go to 【Configuration】 > 【Local】
  Enable and save the following settings:
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.

- **Enable Temperature Measurement**
- **Display Temperature Info on Stream**
- **Target Thermographic Parameters**
  - **Emissivity**: 0.98
  - **Distance Mode**: Self-Adaption
  - **Distance**: 3 m
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.
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.
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.

(2) Follow the steps to finish the installer.
Confirm Installation

The installer is ready to install Temperature catcher on your computer.
Click "Next" to start the installation.

Installing Temperature catcher

Temperature catcher is being installed.
Please wait...

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.
4-2. **Temperature Catcher Setting**

(1) Execute *Temperature 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.

![Detect Temperature Options](image)

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

![Windows Service](image)
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.
【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
(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.