

EWAR CROWD

Installation Manual



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PRODUCT OVERVIEW

1

Topics in this chapter:

- Introduction
- Product Features
- Packing List

1.1 Introduction

1. EWAR (Early warning, alert and response) Crowd solution was designed for safety as top priority, it is capable of simultaneous high accuracy human detection and skin temperature reading. It can read up to 15 human beings at a time. It is best suited for crowded indoor environments such as lobbies and malls.

1.2 Product Features

1. Non-contact automatic temperature detection and voice prompts.
2. Temperature measurement range: 30 - 45°C, 7-inch forehead temperature measurement accuracy is ± 0.3 , the measurement distance 0.4-1 meter..
3. Auto identify people without masks and sound real-time warning.
4. Dual sensor with living detect.
5. Face library 22400 person, storage 100,000 recognize record.
6. Device vision dynamics ≥ 80 dB, suitable for backlight environment.
7. Supports fog, 3D noise reduction, strong light suppression, electronic image stabilization, multiple white balance modes.

1.3 Packing List/Components

Packing list of for EWAR Crowd (TERA-TM-04)

1. 1* Dual lens thermal smart camera
2. 1* Power supply 12V 3.33A for Dual lens thermal smart camera
3. 1* Camera tripod
4. 1* Portable blackbody furnace
5. 1* Power supply 24V 3.75A
6. 1* Blackbody tripod

Installation

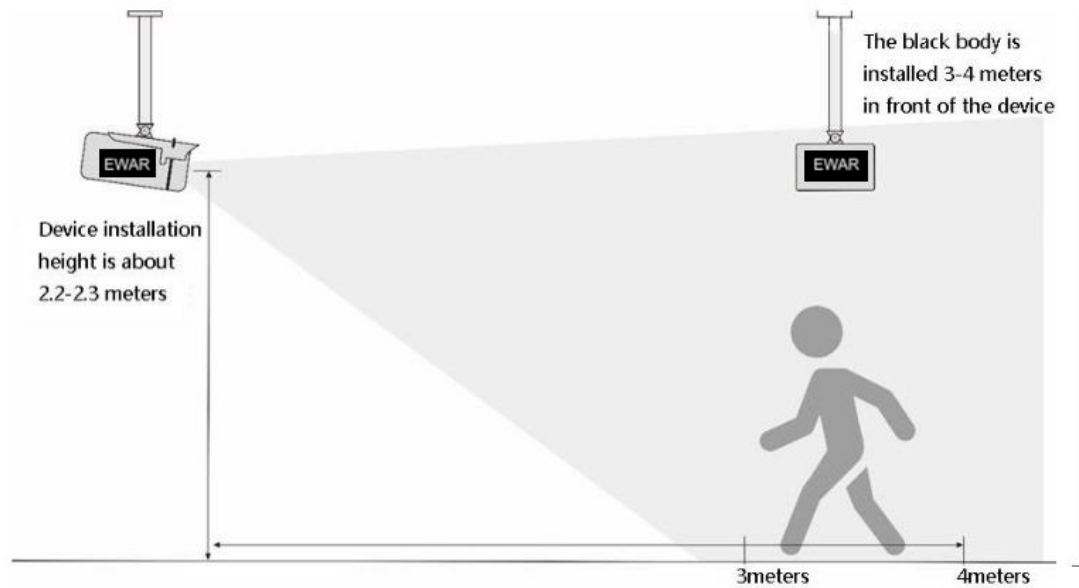
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Topics in this chapter:

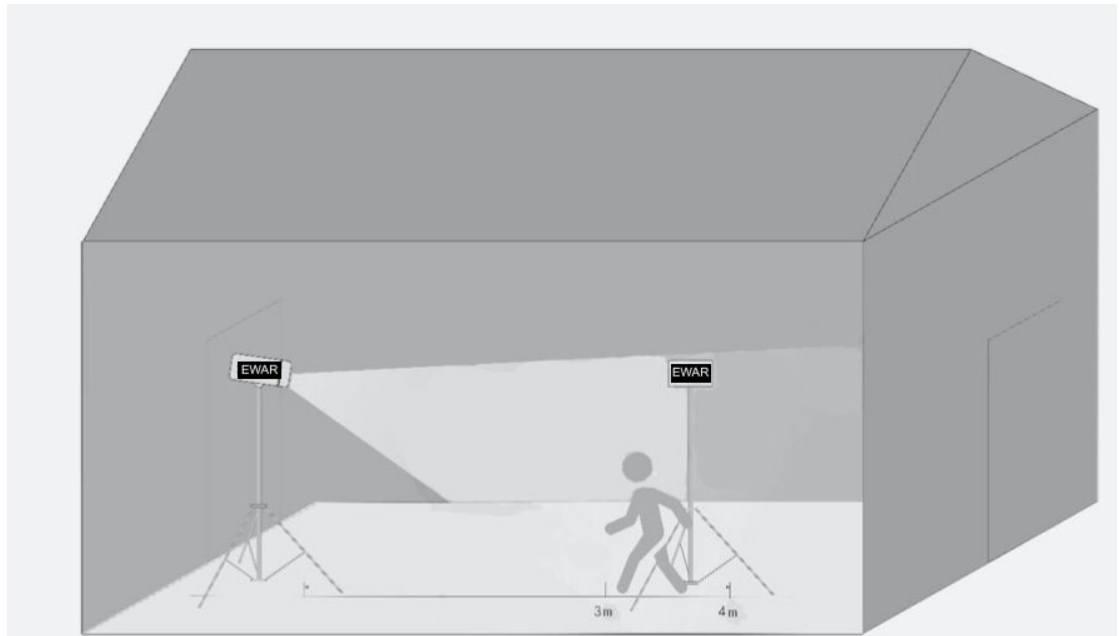
- Installation guideline
- Wiring specification
- Physical specification

4.1 Installation guideline

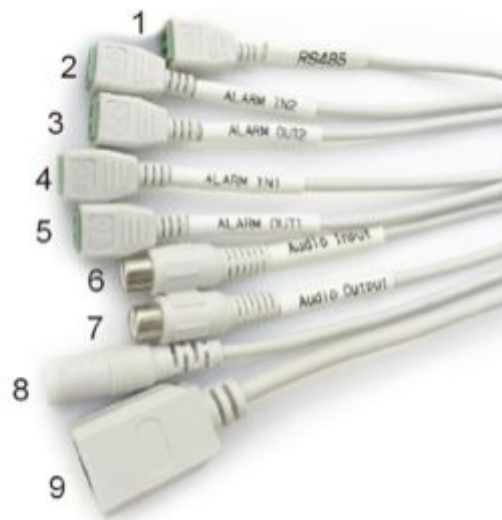
4.1.1 Indoor guide:



4.1.2 Outdoor guide:



4.2 Wiring specification



1. RS485 : External Pan and Tilt
2. ALARM IN2 : For alarm device
3. ALARM OUT2 : For alarm device
4. ALARM IN1 : For alarm device
5. ALARM OUT1 : For alarm device
6. AUDIO Input : For audio input device
7. AUDIO Output : For audio output device
8. Power : Power interface connects to the 12 Volt DC adapter
9. Ethernet/POE : Connects to standard ethernet/POE cable (Cat5/Cat5e)

4.3 Physical Installation

4.3.1 Physical Installation guide video :

https://www.youtube.com/watch?v=pAxLzrIVG-A&feature=emb_logo

4.3.2 Final setup :



Software Configuration

3

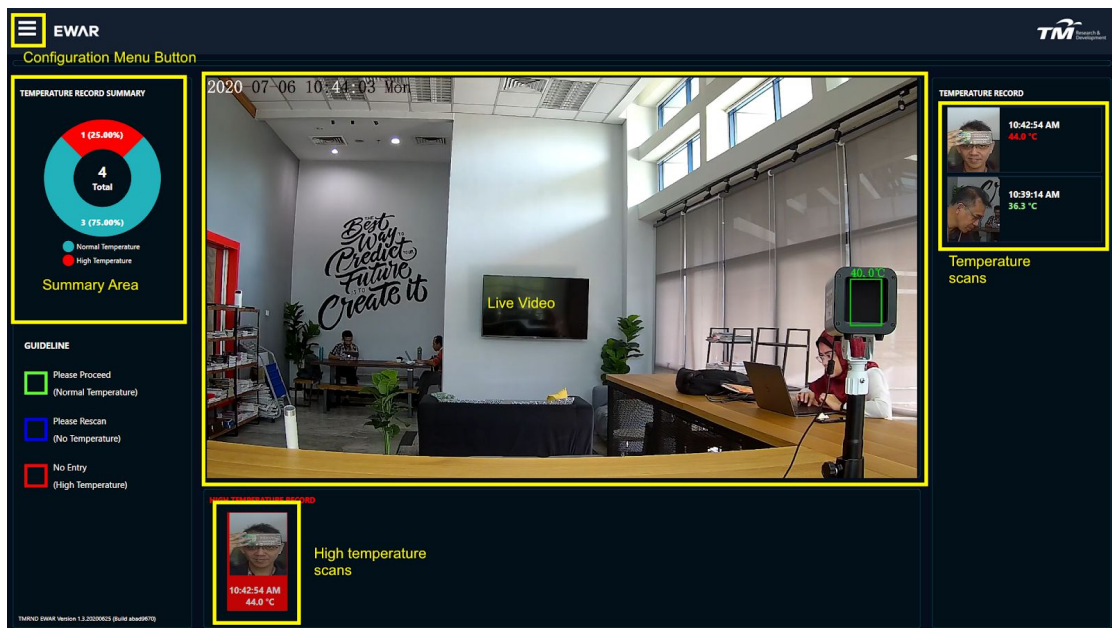
Topics in this chapter:

- Fever Camera App
- Fever Camera Config

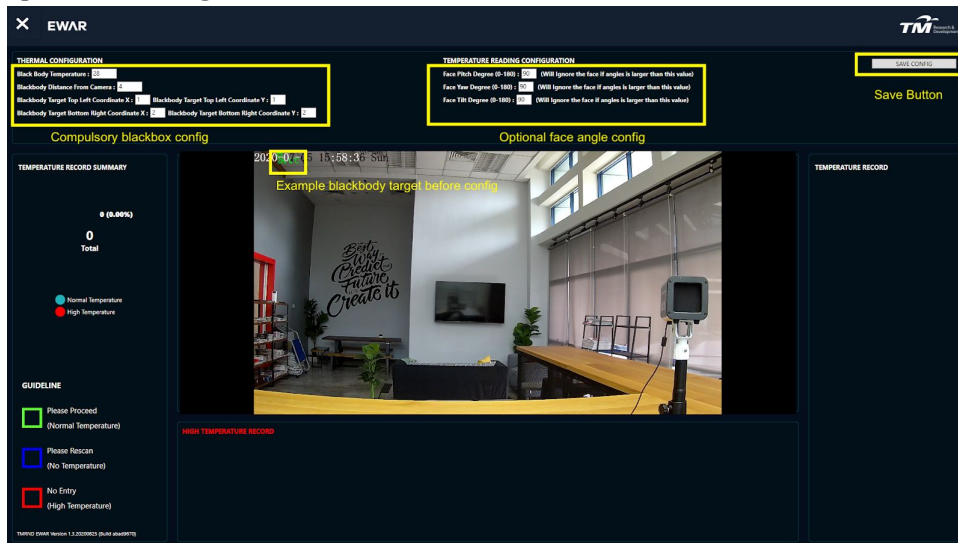
6.1 Fever Camera App

6.1.1 When the Fever Camera app is launched, ensure the basic elements of the application are working :

- 1) Live video is showing
- 2) Temperature reading snapshot when a person is in front of the camera
- 3) High temperature reading snapshot when a person with high temperature is in front of the camera
- 4) Summary area updated when a temperature reading appears

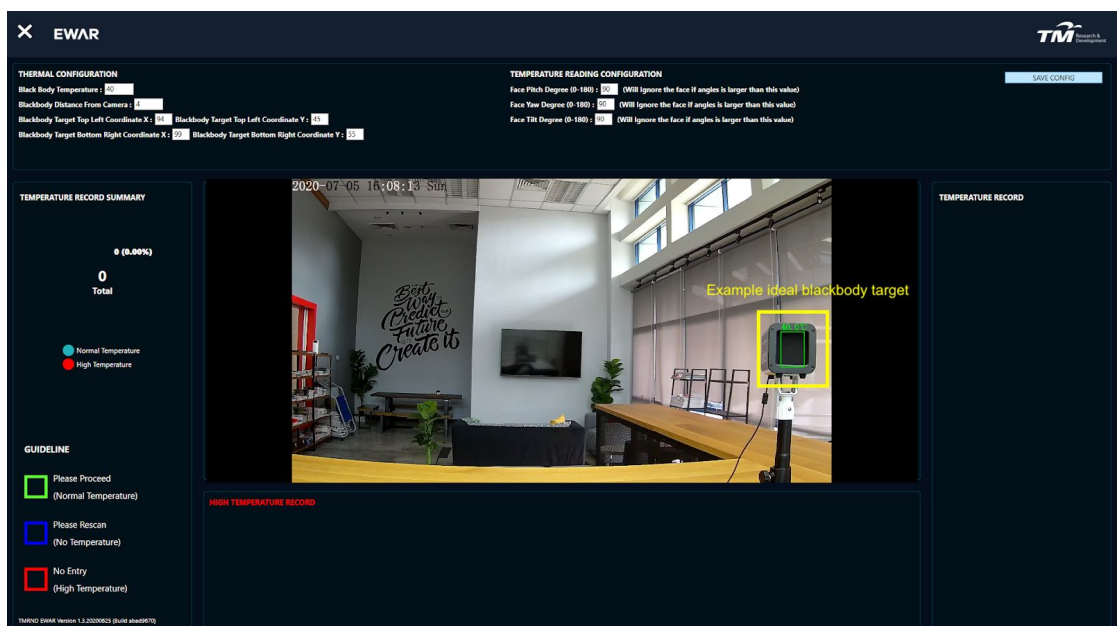


6.1.2 Configure App by clicking on the hamburger icon/configuration button to open the configuration:



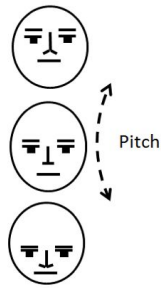
a) Thermal Configuration :

- i) Blackbody temperature : Set to the target temperature of blackbody **(40 by default)**
- ii) Blackbody distance from camera : Set to the distance of blackbody from the camera. Measurement is in **Meters**
- iii) Blackbody coordinates : Ensure the blackbody target is on the blackbody in the video. Top left corner for thermal camera is X:0 , Y:0. Bottom right corner for thermal camera is X: 100 , Y:100. Note that the thermal camera view is smaller than the CMOS(Normal) camera, as a result, 0,0 and 100,100 will not be at the corner ends in the video.

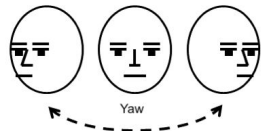


b) Temperature Reading Configuration :

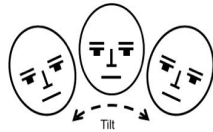
i) Face Pitch Degree :



ii) Face Yaw Degree :



iii) Face Tilt Degree :



6.2 Fever Camera Additional Config

6.2.1 Location of the configuration file : “C:\EWAR\ewar-controlcenter”

6.2.2 Configuration file name : “Fever Camera.dll.config”

6.2.3 Selected configs :

6.2.3.1 MaximumNormalReadingToDisplay : Number of readings to be kept in the reading lists.

6.2.3.2 HighTemperatureThreshold : Temperature reading above this value will trigger alarm and be displayed under High Temperature area.

6.2.3.3 LowTemperatureThreshold : Temperature reading below this value will be ignored.