

## DTC300/200

# Dual-vision Human Body-temperature Measurement Camera

DTC300/200 is a compact, dual-vision, body-temperature measuring camera. It can supply the temperature data and visual image of target. Compact size and easy rapid control, the camera is appropriate for security gate, access control, gate, IoT, etc..



384×288  
256×192

Thermal  
resolution

2Megapixel

Visible light  
resolution

$\leq \pm 0.5^{\circ}\text{C}$

Measurement  
accuracy

0.5~3m

Measurement  
distance

0~60°C

Measurement  
range

<0.5s

Alarm  
responsive time

### Features

#### Non-Contact accurate temperature measurement

Thermal camera, Non-Contact accurate temperature measurement, accuracy of  $\pm 0.5^{\circ}\text{C}$

#### Quick pass without contact

Meet the requirements of non sense fast passage, human face recognition in small scene channel

#### Rapid control

Simple design and easy to use, fast on-site control, with cloud access capability and data storage function

### Application

Aisle of Airport/Railway station/Bus station/Customs/Hospital/Company/School/Supermarket etc.

## DTC Specification

| Model                                | DTC300  | DTC200      |
|--------------------------------------|---|-------------|
| <b>Specification</b>                 |   |             |
| Detector                             | VOx uncooled thermal FPA  |             |
| Resolution                           | 384×288   | 256×192     |
| Pixel size                           | 17μm  |             |
| Spectrum range                       | 8~14 μm   |             |
| Frequency                            | 50Hz  |             |
| <b>Lens</b>                          |   |             |
| Focal length                         | 9.7mm   | 9.7mm       |
| FOV                                  | 37.2°×28.3°   | 25.3°×19.1° |
| <b>Visible light camera</b>          |   |             |
| Resolution                           | 1920×1080   |             |
| Focal length                         | 4.4mm   |             |
| FOV                                  | 90°   |             |
| <b>Temperature Measurement</b>       |   |             |
| Measurement range                    | 0°C~60°C  |             |
| Measurement accuracy                 | ±0.5°C/ ±0.3°C(with blackbody) @33°C~42°C of target temperature |             |
| Correction                           | Manual/auto   |             |
| <b>Software function</b>             |   |             |
| High temperature alarm               | Window pop-out alarm, audible alarm                             |             |
| Preview mode                         | RGB/Thermal   |             |
| Historical data storage and analysis | Support   |             |
| Human face recognition               | Intelligent human face recognition and tracking                 |             |
| Flux                                 | > 100 people / minute   |             |
| <b>Connector</b>                     |   |             |
| Power supply                         | USB x 2 (5V DC)   |             |
| Data output                          | UVC (USB Video Class)   |             |
| Control connector                    | USB   |             |
| <b>Environment adaption</b>          |   |             |
| Working temperature                  | -10°C~50°C  |             |
| Storage temperature                  | -20°C~65°C  |             |

## Company Information

IRay Technology Co., Ltd. is a wholly-owned subsidiary of Raytron Technology Co., Ltd. (SSE: 688002). As a high-tech enterprise, IRay Technology develops and manufactures infrared FPA detectors, thermal imaging modules, and other products, with completely independent intellectual property rights. We are committed to providing global customers with professional thermal imaging products and solutions. The main products include IRFPA detectors, thermal imaging cores, and terminal products for application.

With R&D personnel accounts for 51% of all employees, IRay Technology owns 311 patented technologies in multiple fields, such as the development of integrated circuit, the design and manufacture of MEMS sensor, and Matrix III image processing algorithms.

IRay products have been applied in various fields, such as aerospace, disease control and prevention, industrial temperature measurement, intelligent surveillance, outdoor observation, ADAS, AIoT, AI, and machine vision.

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