

## CEM DT9897Y

AI Intelligent Infrared  
Thermal Imaging  
Temperature Screening  
Instrument.

AI face recognition  
Intelligent anti-  
epidemic weapon



Face detection, automatically counting the number of people tested.



Can display external large screen, HDMI HD output photo and videos.

### Specification

|   |  |
|---|--|
| <b>Thermal sensitivity / NETD :</b>           | <0.05 °C @ +30 °C (+86 °F) /50 mK  |
| <b>Resolution :</b>                           | Uncooled Focal Plane Detector (UFPA) 384 x 288   |
| <b>Field of view :</b>                        | 25x19°   |
| <b>IFOV :</b>                                 | 1.13mRad   |
| <b>Infrared lens material :</b>               | Germanium  |
| <b>Visible Light lens resolution :</b>        | 5 Megapixels   |
| <b>Image frame rate :</b>                     | 50Hz   |
| <b>Digital zoom :</b>                         | 32x Electronic zoom  |
| <b>Display :</b>                              | 3.5 " 640x480 HD color TFT capacitive touch screen   |
| <b>Image display mode :</b>                   | Infrared image, visible light image, picture-in-picture fusion function                    |
| <b>Color palette :</b>                        | Iron red, rainbow, off-white, white gray, blue-red, hot and cold, feather red, tan, custom |
| <b>Image adjustment :</b>                     | Manual / auto / histogram  |
| <b>Test area :</b>                            | 1 meter distance: 46cm x 35cm , 2 meters : 92cm x 70cm , 3 meters : 230cm x 160 cm         |
| <b>Temperature Accuracy :</b>                 | ± 0.5 °C   |
| <b>Screening temperature range :</b>          | 32 °C ~ 42 °C  |
| <b>Full field high temperature tracking :</b> | Red cross mark   |
| <b>High temperature alarm :</b>               | Yes  |
| <b>External Display :</b>                     | HDMI HD output   |
| <b>Video / Photo :</b>                        | Yes  |
| <b>Interface :</b>                            | USB-mini   |
| <b>Wi-Fi Function :</b>                       | Remote transfer of data and pictures to mobile phone                                       |



### บริษัท อีเลคทรอนิคส์ ซอร์ซ จำกัด