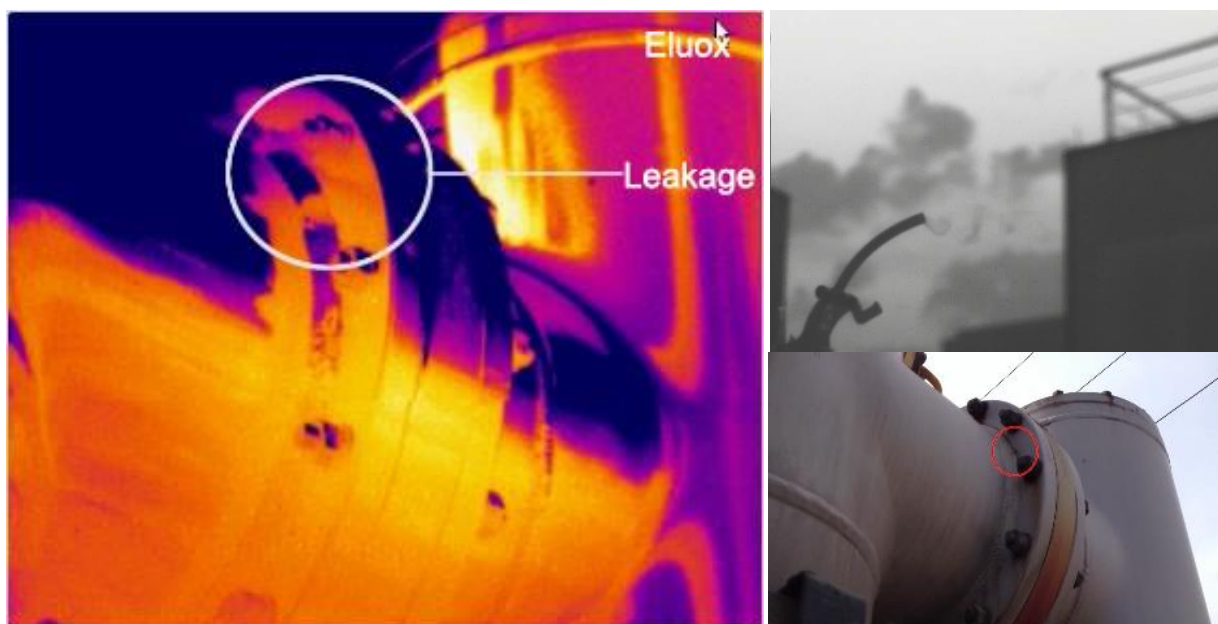


# Eluox EIRC25CG Gas Detection Thermal Camera



Employed passive thermal imaging technology, EIRC25CG gas detection thermal camera can locate SF6 gas leakage point at long distance without power supply shutdown; Integrated cooled QWIP detector contributes excellent NETD of 25mK, superior image quality and accurate temperature measurement; No needs of specific background or auxiliary light, suitable for any on-site applications; HD OLED view finder, combined with 5" touch rotatable screen, suitable for any indoor and outdoor applications.



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| Item                  |                                      | Value                                                                                                                                                                           |                  |
|-----------------------|--------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|
| Detector              | Type                                 | cooled QWIP Detector                                                                                                                                                            |                  |
|                       | Array size                           | 320x256                                                                                                                                                                         |                  |
| Image characteristics | Field of view/ min focus distance    | 14.5° x 10.8° / 0.5m                                                                                                                                                            | 24° x 18° / 0.3m |
|                       | Spatial resolution                   | 0.79mrad                                                                                                                                                                        | 1.13 mrad        |
|                       | Thermal sensitivity                  | ≤0.025°C (25mK) @ 30 °C                                                                                                                                                         |                  |
|                       | Gas leakage detection sensitivity    | 0.001ml/s (SF6)                                                                                                                                                                 |                  |
|                       | Frame rate                           | 60Hz                                                                                                                                                                            |                  |
|                       | Zoom                                 | 1~4x digital zoom                                                                                                                                                               |                  |
|                       | Spectral range                       | 9.8 ~ 11.2μm, peak 10.55μm                                                                                                                                                      |                  |
|                       | CCD                                  | 1.3 million CMOS                                                                                                                                                                |                  |
| Image display         | Viewfinder                           | 0.6" color OLED, with zoom                                                                                                                                                      |                  |
|                       | LCD                                  | HD 5" color digital touch screen, 800 x 600 pixel                                                                                                                               |                  |
| Measurement           | Range                                | -40°C -- +500°C                                                                                                                                                                 |                  |
|                       | Accuracy                             | ±2°C or ±2% of reading, whichever is greater                                                                                                                                    |                  |
|                       | Measuring mode                       | Up to 10 movable spots, up to 5 movable areas(max, min, avg.), 3 movable circles, up to 2 movable lines, line profiles, isotherms, temperature difference, alarm (sound, color) |                  |
|                       | Measurement correction               | Automatic / manual                                                                                                                                                              |                  |
|                       | Atmospheric transmittance correction | Automatic, according to the input target distance, relative humidity, ambient temperature                                                                                       |                  |
|                       | Background temperature correction    | Automatically correct according to background temperature                                                                                                                       |                  |
|                       | Emissivity adjustment                | Variable from 0.01 to 1.0 (step=0.01), or corrected through a predefined material emissivity list                                                                               |                  |
|                       | Color palette                        | 11 palettes changeable (Iron, Rainbow, grey inverted, etc.                                                                                                                      |                  |
|                       | Image adjustment                     | Auto/manual adjustment of contrast and brightness                                                                                                                               |                  |
|                       | Setting                              | Date, time, temperature unit (°C/°F/K), language                                                                                                                                |                  |
| Storage               | Storage card                         | 8G SD card, storage > 6000 images                                                                                                                                               |                  |
|                       | Storage mode                         | Automatic/manual single image storage, continuous visible light, infrared video recording                                                                                       |                  |
|                       | Infrared image                       | JPEG, with 14 bit measured data                                                                                                                                                 |                  |
|                       | Visible light image                  | JPEG                                                                                                                                                                            |                  |
|                       | Thermal video                        | MPEG or 14 bit thermal image with measurement data                                                                                                                              |                  |
|                       | Visible light video                  | MPEG-4                                                                                                                                                                          |                  |
|                       | Voice annotation                     | 40s, saved together with image                                                                                                                                                  |                  |
|                       | Image improvement                    | Averaging (S2, S4, S8, S16)                                                                                                                                                     |                  |
| Pointer               | Laser                                | 635nm(red), II Class, 1mW                                                                                                                                                       |                  |
| Power supply          | Battery                              | rechargeable Li-ion battery                                                                                                                                                     |                  |
|                       | Operation time                       | 3 hours continuous operation                                                                                                                                                    |                  |
|                       | Charging                             | Intelligent charge or power supply adaptor online charge                                                                                                                        |                  |
|                       | External power                       | DC 10~15V                                                                                                                                                                       |                  |
|                       | Power saving mode                    | Available                                                                                                                                                                       |                  |
| Interface             | External DC input                    | available                                                                                                                                                                       |                  |
|                       | Audio output                         | Available                                                                                                                                                                       |                  |
|                       | Video output                         | HDMI                                                                                                                                                                            |                  |
|                       | USB                                  | USB 2.0, image, measured data, video record transfer to PC                                                                                                                      |                  |
| Environment           | Working temperature range            | -15°C ~ +50°C                                                                                                                                                                   |                  |
|                       | Humidity                             | ≤90% (non-condensing)                                                                                                                                                           |                  |
|                       | Encapsulation                        | IP54                                                                                                                                                                            |                  |
| Physical feature      | Dimension                            | 335mm x 160mm x 172mm                                                                                                                                                           |                  |
|                       | Weight                               | 3KG                                                                                                                                                                             |                  |

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