

## DATA SHEET

# HUMAN BODY TEMPERATURE SCREENING SYSTEM

Safe, easy and accurate, VIRALERT is designed to protect people from potential coronavirus carriers and those with other infectious diseases.

Using AMETEK Land's industry-leading thermal imaging technology, VIRALERT screens visitors at point-of-entry for elevated temperatures that could indicate fever.

Unlike handheld thermometers which compromise social distancing requirements, VIRALERT's automatic screening system scans from a distance that complies with social distancing.

Automatic visual and audible alerts provide the warning you need, keeping everyone safe.

Developed over ten years by AMETEK Land's world-leading temperature monitoring experts, VIRALERT is a real-time scanning solution that's safe, accurate, and easy to use.

### FIXED TEMPERATURE REFERENCE SOURCE

- Small, light calibration source
- Easy installation/setup
- Removes key source of errors

### HI-RESOLUTION IMAGING CAMERA

- Visual and thermal imaging
- Automatic face detection
- Single face-on reading

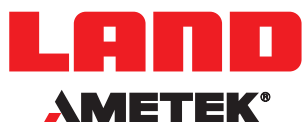
### EASY-TO-USE SOFTWARE

- Intuitive interface
- Core temperature calculations
- Alarm setting recommendations




Images displayed here are of VIRALERT 3

| SYSTEM  | VIRALERT 2   | VIRALERT 3   |
|---|--|--|
| Contents                                      | VIRALERT 2 Thermal imaging camera with 4m connection cable.<br>VIRALERT 2 Blackbody temperature reference source with power adaptor and 2 m connection cable.<br>Certificate of conformity.<br>Quick start guide.<br>Software available for free download from www.ametek-land.com | VIRALERT 3 Combined thermal and visual imaging camera with 4 m connection cable.<br>VIRALERT 3 Blackbody temperature reference source with power adaptor and 3 m connection cable.<br>Preinstalled single point mounting bracket.<br>Certificate of conformity.<br>Quick start guide.<br>Software available for free download from www.ametek-land.com |
| Temperature Accuracy                          | +/- 0.5 °C / 0.9 °F (at a distance of 1 m)   | +/- 0.5 °C / 0.9 °F (at a distance of 1 m)   |
| Mounting                                      | Separate mounting required for Blackbody and imager  | Integrated single point system mounting  |
| System weight (kg)                            | 4 kg (without cables). 3.3 kg Blackbody reference/0.7 kg imager  | 0.75 kg (without cables)   |
| System weight (lb)                            | 8.8 lb (without cables). 7.3 lb Blackbody reference/1.6 lb imager  | 1.65 lb (without cables)   |
| System dimensions (mm)                        | Blackbody (200 x 161 x 136), Imager (45 x 80 x 100)  | System 350 x 110 x 90 (BBS: 65 x 60 x 35; Camera 100 x 80 x 45)  |
| System dimensions (inches)                    | Blackbody (8 x 6.4 x 5.4), Imager (1.8 x 3.2 x 4)  | System 14 x 4.4 x 3.6 (BBS: 2.6 x 2.4 x 1.4; Camera 4 x 3.2 x 1.8)   |
| <b>IMAGER</b>                                 |  |  |
| Interface                                     | Wired Ethernet - Local PC  | Wired Ethernet - Local PC  |
| Power Supply Requirement Interfaces:          | 5 VDC (USB) - Local PC   | 5 VDC (USB) - Local PC   |
| Operating Temperature Range:                  | 10 to 50 °C / 50 to 122 °F   | 10 to 50 °C / 50 to 122 °F   |
| Imager Thermal                                | Yes  | Yes  |
| Measurement Range                             | 30 to 45 °C / 86 to 113 °F   | 30 to 45 °C / 86 to 113 °F   |
| Detector Array Format                         | 80 x 64 pixels   | 80 x 64 pixels   |
| Detector                                      | 8 to 14 µm, Uncooled Thermopile Array  | 8 to 14 µm, Uncooled Thermopile Array  |
| Frame rate                                    | <9 Hz  | <9 Hz  |
| Temperature Resolution:                       | 0.1 °C   | 0.1 °C / 0.2 °F  |
| Field of View                                 | 39 x 31°   | 39 x 31°   |
| Focus   | Fixed focus, minimum 300 mm/12 inches  | Fixed focus, minimum 300 mm/12 inches  |
| Imager Visual                                 | No   | Yes  |
| Image resolution                              |  | 1.2 MP (1280 x 960)  |
| Sensor type                                   | N/A  | CMOS   |
| Frame rate                                    |  | 12 fps   |
| Image type                                    |  | Color  |
| <b>BLACKBODY TEMPERATURE REFERENCE SOURCE</b> |  |  |
| Temperature                                   | 38 °C / 100.4 °F   | 38 °C / 100.4 °F   |
| Target Size                                   | 80 x 120 mm / 3.2 x 4.8 inches   | 25 x 45 mm / 1 x 1.8 inches  |
| Combined Accuracy / Stability                 | +/- 0.2 °C (+/-0.3 °F)   | +/- 0.2 °C (+/-0.3 °F)   |
| Power Supply Requirement                      | 12 VDC power adaptor (supplied). US/JAPAN, EURO and UK plug compatible   | 5 VDC (USB Mini B) power adaptor (supplied). US/JAPAN, EURO and UK plug compatible   |
| Operating Temperature Range                   | 10 to 50 °C / 50 to 86 °F  | 0 to 35 °C / 32 to 95 °F   |
| <b>SOFTWARE</b>                               |  |  |
| Features                                      | <b>VIRALERT 2 Software:</b><br>Continuous live thermal image.<br>On-screen and audible alarm status.<br>Simple traffic light display.<br>Display 3rd party web cams.<br>(no integration for face detection feature)  | <b>VIRALERT 3 Software:</b><br>Continuous live picture in thermal and visual image.<br>On-screen and audible alarm status.<br>Simple traffic light display.<br>Automatic face detection.<br>Customisable prompts, alarms and messaging tailored to user workflow.<br>Body mode enabling calculated core temperature from measured skin temperature.    |
| Operating system                              | Windows 10   | Windows 10   |
| Recommended minimum PC specification          | I3 processor or equivalent.<br>4 GB RAM.<br>Minimum 1 x RJ45 port and 1 x USB-A port.<br>64 GB Hard disk.  | I3 processor or equivalent.<br>4 GB RAM.<br>Minimum 1 x RJ45 port and 1 x USB-A port.<br>64 GB Hard disk.  |
| Languages supported                           | English only   | English, Spanish, French, Chinese (simplified), Japanese, Korean, Portuguese, Russian, German  |



**CONTACT US**

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