

VIRALERT 3 LITE

USER GUIDE

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**HUMAN BODY
TEMPERATURE
SCREENING SYSTEM**



LAND
AMETEK®

LANDVIRALERT.COM

Health and Safety Information



Read all of the instructions in this booklet - including all the **WARNINGS** and **CAUTIONS** - *before* using this product. If there is any instruction which you do not understand, **DO NOT USE THE PRODUCT.**

Safety Signs



WARNING

Indicates a potentially hazardous situation which, if not avoided, could result in death or personal injury.



CAUTION

Indicates a potentially hazardous situation which, if not avoided, could result in minor or moderate injury to the user or users, or result in damage to the product or to property.

NOTE

Indicates a potentially hazardous situation which, if not avoided, could result in damage or loss of data.

Signs and Symbols used on equipment and Documentation



Caution, risk of electric shock.



Caution, attention to possibility of risk of damage to the product, process or surroundings. Refer to instruction manual.



Caution, hot surface.



Protective Conductor Terminal.



Observe precautions for handling electrostatic discharge sensitive devices.

Equipment Operation

Use of this instrument in a manner not specified by AMETEK Land may be hazardous. Read **and understand** the user documentation supplied **before** installing and operating the equipment.

The safety of any system incorporating this equipment is the responsibility of the assembler.

Protective Clothing, Face and Eye Protection

It is possible that this equipment is to be installed on, or near to, machinery or equipment operating at high temperatures and high pressures. Suitable protective clothing, along with face and eye protection must be worn. Refer to the health and safety guidelines for the machinery/equipment before installing this product. If in doubt, contact AMETEK Land.



Wear Protective Gloves



Wear Protective Clothing



Wear Eye Protection



Wear Ear Protection



Wear Safety Boots



Wear Face Protection

Electrical Power Supply

Before working on the electrical connections, all of the electrical power lines to the equipment must be isolated. All the electrical cables and signal cables must be connected exactly as indicated in these operating instructions. If in doubt, contact AMETEK Land.

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For further details on all AMETEK Land offices, distributors and representatives, please visit our website.

Storage

The instrument should be stored in its packaging, in a dry sheltered area.

The maximum storage temperature is 10°C (18°F) higher than the maximum operating temperature.

The minimum storage temperature is 10°C (18°F) lower than the minimum operating temperature.

Refer to the Technical Specification for details of the operating temperature limits.

Unpacking

Check all packages for external signs of damage. Check the contents against the packing note.

Lifting Instructions

Where items are too heavy to be lifted manually, use suitably rated lifting equipment. Refer to the Technical Specification for weights. All lifting should be carried out in accordance with local and national regulations.

Return of Damaged Goods

IMPORTANT If any item has been damaged in transit, this should be reported to the carrier and to the supplier immediately. Damage caused in transit is the responsibility of the carrier not the supplier.

DO NOT RETURN a damaged instrument to the sender as the carrier will not then consider a claim. Save the packing with the damaged article for inspection by the carrier.

Return of Goods for Repair

If you need to return goods for repair please contact our Customer Service Department for details of the correct returns procedure.

Any item returned to AMETEK Land should be adequately packaged to prevent damage during transit.

You must include a written report of the problem together with your own name and contact information, address, telephone number, email address etc.

Design and Manufacturing Standards

The Quality Management System of Land Instruments International is approved to BS EN ISO 9001 for the design, manufacture and on-site servicing of combustion, environmental monitoring and non-contact temperature measuring instrumentation.

Registered ISO9001 Management System approvals apply in the USA.

UK Calibration Laboratory: UKAS 0034.

USA Calibration Laboratory: ANAB Accredited ISO/IEC 17025.

National Accreditation Board for Testing and Calibration Laboratories approvals apply in India.

Operation of radio transmitters, telephones or other electrical/electronic devices in close proximity to the equipment while the enclosure doors of the instrument or its peripherals are open, may cause interference and possible failure where the radiated emissions exceed the EMC directive.

The protection provided by this product may be invalidated if alterations or additions are made to the structural, electrical, mechanical, pneumatic, software or firmware components of this system. Such changes may also invalidate the standard terms of warranty.

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1 INTRODUCTION

This User Guide gives you information on how to install, set up and customise the AMETEK Land VIRALERT 3 LITE Human Body Temperature Screening System.

1.1 About VIRALERT 3 LITE

VIRALERT 3 LITE screens people for elevated temperatures that could indicate fever. The system is intended for use at business premises, hospitals, airports, schools, sporting and social gathering venues etc.

VIRALERT 3 LITE uses an infrared thermal imager to determine the highest temperature in the subject's face.

| | |
|---|--|
|  | <p>WARNING</p> <p>VIRALERT 3 LITE is a screening tool. It has not been cleared or approved by the FDA or any other regulatory agency. It should not be relied on solely or primarily to diagnose or exclude a diagnosis of COVID-19 or any other disease.</p> |
|---|--|

1.2 What's in the box?

| | |
|---|---|
|  | <p>VIRALERT 3 LITE Imager and Blackbody Reference source</p> <p>Pre-mounted on a bracket with tripod fixings</p> |
|  | <p>Imager Cable</p> <p>Power and signal cable</p> <p>Connects the Imager to the Laptop/PC</p> <p>Ethernet and USB connections to the Laptop/PC</p> |
|  | <p>Power Cable</p> <p>For the Blackbody Reference Source</p> <p>International mains adaptors included</p> |

1.3 Optional Accessories

| | |
|---|---|
|  | <p>Laptop PC running VIRALERT 3 LITE software</p> <p>VIRALERT 3 LITE software is available for download from www.landviralert.com</p> |
|  | <p>Surface Mount Bracket</p> <p>Part N° 814266</p> <p>An adjustable mounting bracket that can be screwed to a wall, ceiling or any other suitable flat surface. Fixings included</p> |
|  | <p>Clamp Mount Bracket</p> <p>Part N° 814267</p> <p>A mounting bracket with a clamp to connect to a desk or a table</p> |
|  | <p>Tripod</p> <p>Part N° 814268</p> <p>A tripod for installation on a flat surface</p> |

2 SYSTEM OVERVIEW

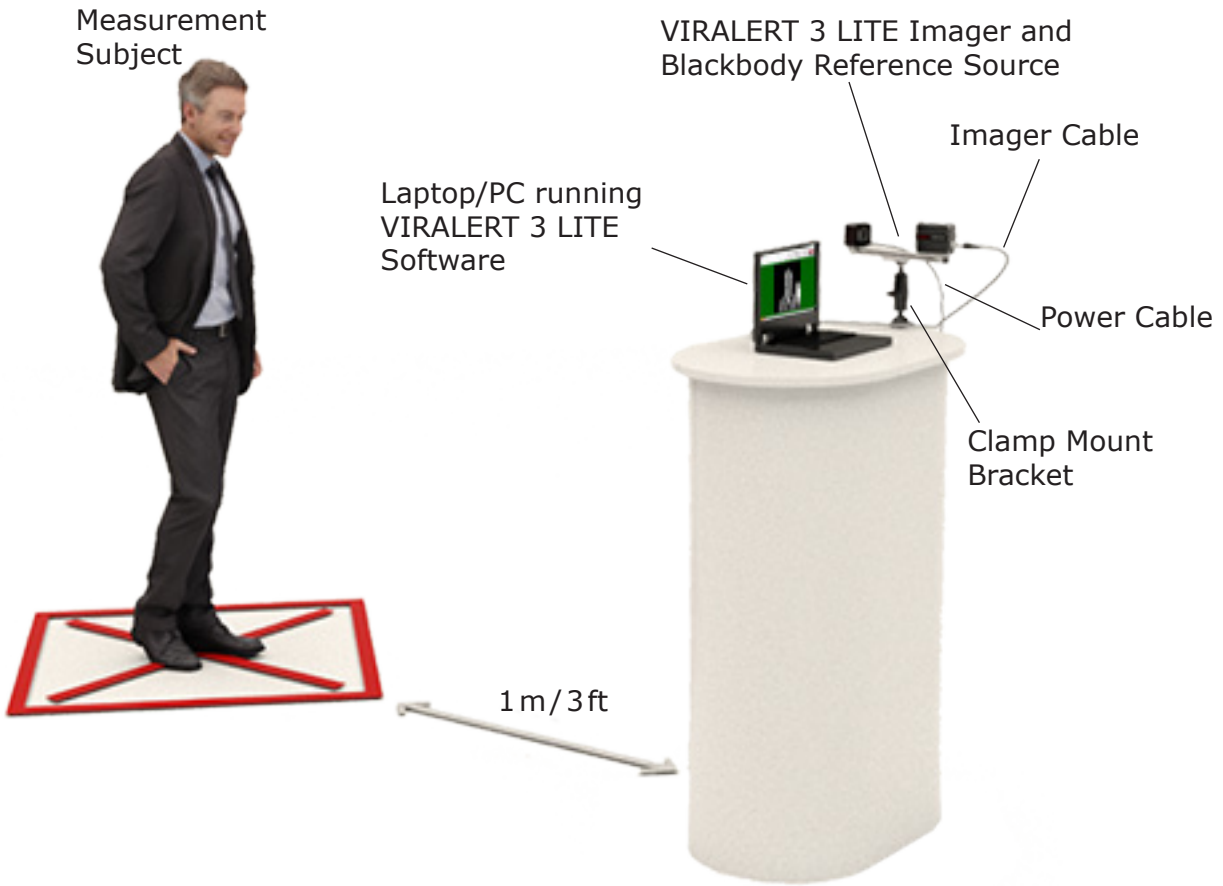


Fig. 2-1 VIRALERT 3 LITE Typical System Overview

3 SYSTEM SETUP

3.1 Measurement Location





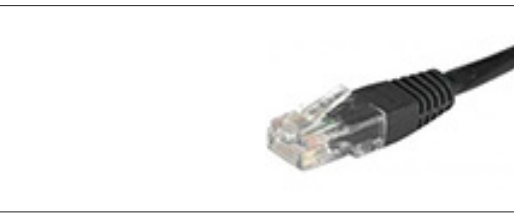
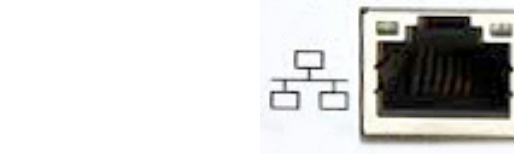

- 1) Choose a location near to the entrance of the area you want to protect.
- 2) There must be space to install the VIRALERT 3 LITE so that the Measurement Subject can face the system from a distance of 1 m/3ft.
- 3) Avoid locations where there are possible heat sources e.g. electrical equipment, radiators etc. in the field of view of the Imager.
- 4) Also avoid locations where the Imager may pick up reflections from windows, mirrors etc.
- 5) VIRALERT 3 LITE is designed to scan one person at a time. The measurement location should not be a high-traffic area where people other than the subject will be in the field of view.
- 6) During the temperature measurement process, the Subject will need to stand still in front of the Imager for approximately 2 seconds. Make sure there is adequate provision for social distancing in your chosen measurement location.
- 7) The Imager must have a clear, unobstructed view of the Subject's face, ideally with the Imager at a height around eye level. If necessary, use one of the mounting accessories available from AMETEK Land (see Section 1.3).
- 8) The Blackbody Reference Source requires a mains voltage supply. You will also need to provide power to the Laptop/PC running the VIRALERT 3 LITE software.
- 9) Once the system is installed and operating, use cable ties to secure the cables to suitable structures. This minimises the risk of the cables becoming dislodged and reduces the risk of tripping over the cables.
- 10) Posters which explain the screening process and provide instructions for your staff and visitors on how to use the system are available for download from:
www.landviralert.com

Detailed guidelines for deployment, implementation and operation of a screening system can be found in ISO/TR 13154:2017

3.2 System Connections

NOTE

If you have purchased a mounting accessory i.e. Surface Mount Bracket, Clamp Mount Bracket, or Tripod from AMETEK Land, then each accessory will come supplied with its own installation instructions.

| | |
|---|---|
|  | <p>Imager Connection</p> <p>Connect the cylindrical connector on the power and signal cable to the Imager</p> |
|  | <p>Laptop/PC Connections</p> <p>Connect the Laptop/PC to the mains power supply.</p> <p>Connect the two connectors on the other end of the power and signal cable to the Laptop/PC.</p> |
|  | <p>The power (USB) connector on the cable looks like this.</p> |
|  | <p>Connect it to a USB socket on the laptop which looks like this.</p> |
|  | <p>The Network signal connector on the cable looks like this.</p> |
|  | <p>Connect it to a Network socket on the laptop which looks like this.</p> |
|  | <p>Blackbody Reference Source Connection</p> <p>Connect the smaller connector of the source power cable to the USB port on the Blackbody Reference Source.</p> <p>Use the supplied mains adapter to connect the cable to the mains supply.</p> |

System connections are now complete



4 START THE SOFTWARE

NOTE

If you purchased a Laptop/PC from AMETEK Land with your VIRALERT 3 LITE system, then the Network Adapter Settings will already be configured and the software installed on the computer.

4.1 Network Adapter Settings

If you are using your own Laptop/PC, the correct Network Adapter Settings must be specified so that your PC can communicate with the VIRALERT 3 LITE Imager.

- 1) In the bottom left corner of your PC screen, there is a 'Windows' icon 
Click on the icon so that it turns blue 
The Windows **Start** menu is displayed.
- 2) On your keyboard, type **Ethernet Settings**.
The **Ethernet** settings screen will be displayed, similar to the one shown in Fig. 4-1 below.

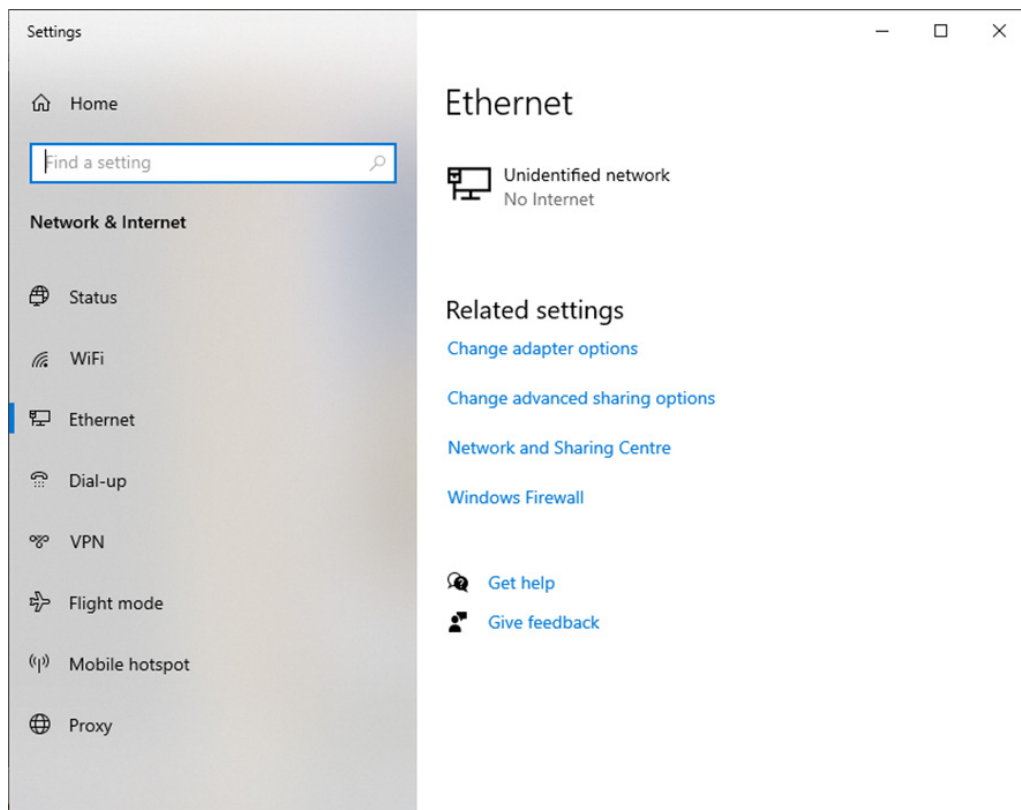


Fig. 4-1 Typical Ethernet settings screen

- 3) Click on the **Change adapter options** link (See Fig. 4-2).

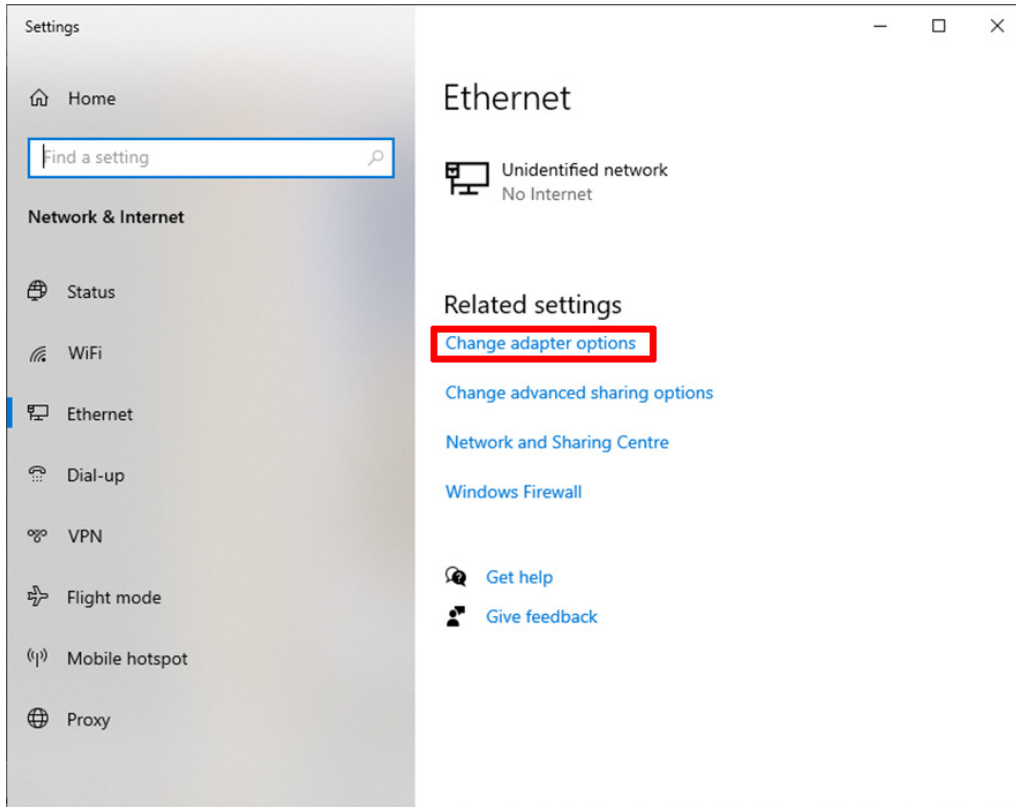


Fig. 4-2 Status screen

The **Network Connections** screen is displayed. See Fig. 4-3 below.

- 4) Move your mouse cursor over the icon for your Network (Ethernet in the example below).
- 5) Click the right-hand mouse button and select the Properties option.

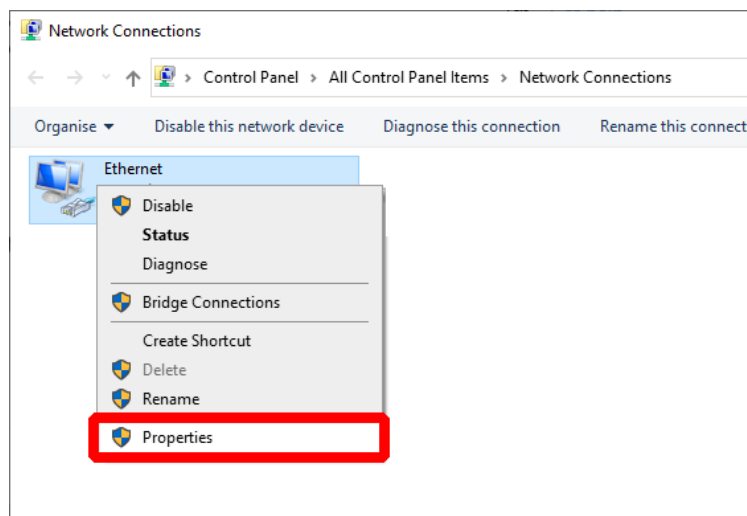


Fig. 4-3 Network Connections screen

The **Networking Properties** screen is displayed. See Fig. 4-4 overleaf.

- 6) Click to highlight the **Internet Protocol Version 4 (TCP/IPv4)** option and click the **Properties** button.

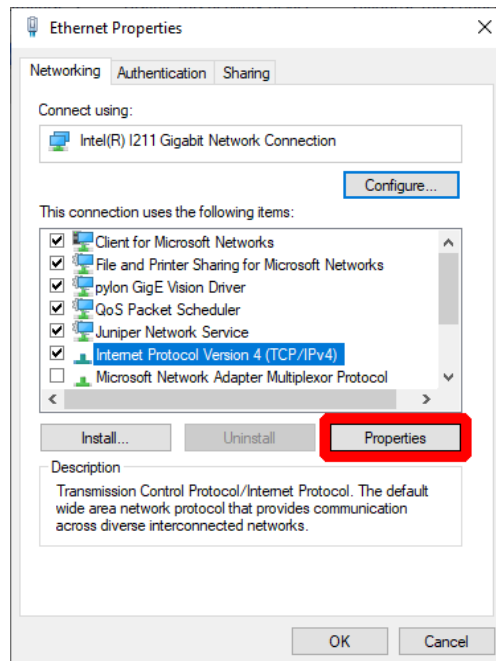


Fig. 4-4 Network status search

The **Internet Protocol Version 4 (TCP/IPv4) Properties** screen is displayed. See Fig. 4-5 below.

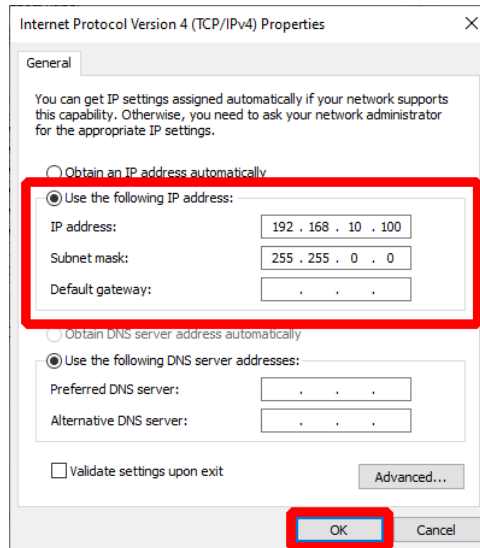


Fig. 4-5 Internet Protocol Version 4 (TCP/IPv4) Properties screen

- 7) Click the small round button next to **Use the following IP address** to select this option.
- 8) In the text boxes, enter the following values:
 - IP address: 192.168.10.100
 - Subnet mask: 255.255.0.0
- 9) Click on **OK** to save these settings.
- 10) Close the **Networking Properties** and **Network Connections** screens. The Network Adapter Settings are now complete.

4.2 Starting the Software

If you are using your own Laptop/PC, download and install the software from the AMETEK Land website.

VIRALERT 3 LITE software is available for download from **www.landviralert.com**.



CAUTION

During installation of the VIRALERT 3 LITE software, your computer may restart. Before installation, make sure to save and close any files in other programs that you may have open.

The minimum specifications for a computer running VIRALERT 3 LITE are:

- I3 processor or equivalent
- 4 GB RAM
- Minimum 1xRJ45 port and 1xUSB-A port
- 64GB Hard disk
- Windows 10*

* *If your Laptop/PC is running Windows 10 in S mode, then VIRALERT 3 LITE will not run on this machine. S mode runs only applications from the Microsoft Store, and requires Microsoft Edge for Internet browsing. To run VIRALERT 3 LITE on your machine, it should be switched to standard Windows 10 mode. Simple instructions for this are available from support.microsoft.com*

- 1) On the Laptop/PC, click on the **VIRALERT** icon  or search for VIRALERT in the Windows search bar.

The software will start automatically in Measurement mode.

- 2) Wait for the LED next to the cable connector on the front panel of the Blackbody Reference Source to turn green.



WARNING

The warm-up rate of the Blackbody Reference Source is 13°C / 23°F per minute.

Therefore, from an ambient temperature of 25°C / 77°F it will take approximately 1 minute for the source to reach the factory default value of 38°C / 100.4°F.

From an ambient temperature of 0°C / 32°F, it will take approximately 3 minutes to reach the default temperature value.

- 3) Position a Subject in front of the Imager. The subject must:
 - Remove glasses
 - Remove any hat, hood or mask
 - Have no hair covering the forehead

Posters which explain the screening process and provide instructions for your staff and visitors on how to use the system are available for download from:

www.landviralert.com

The software will automatically detect the presence of the subject and calculate their body temperature.

The default temperature unit is Celsius, but this can be changed to Fahrenheit. Refer to Section 5 of the VIRALERT 3 LITE User Guide for further information.

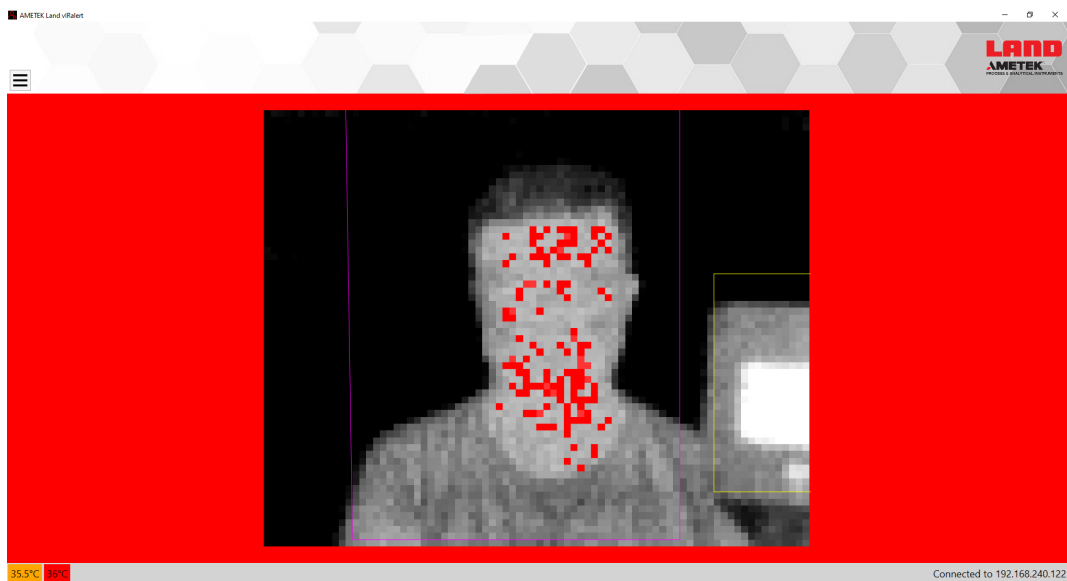
During the measurement process, the screen background will turn yellow

- 4) Follow the instructions displayed on the software screen.

Subjects with a normal body temperature are indicated by a green screen, as shown in Fig. 4-6



Fig. 4-6 VIRALERT 3 LITE Software Normal Body Temperature display
Subjects with a high body temperature are indicated by a red screen, as shown in Fig. 4-7.



- 5) To adjust the temperature alarm value and units of measurement, open the **Settings** menu.

**WARNING**

The threshold for an elevated body temperature alarm is a critical parameter for use of VIRALERT 3 LITE.

You should consult a medical advisor for assistance in setting the appropriate alarm point. The factory default value is 38 °C (100.4 °F)

For more information on the Settings menu and other features of the software, refer to the Section 5 of this User Guide.

5 SOFTWARE SETTINGS

NOTE
 Before changing any settings in your VIRALERT 3 LITE system, make sure that you read **and understand** the information given in this section of the User Guide.

5.1 Accessing the Settings menu

- 1) To access the **Settings**, click on the menu button 

The **Settings** screen is displayed, as shown in Fig. 5-1.

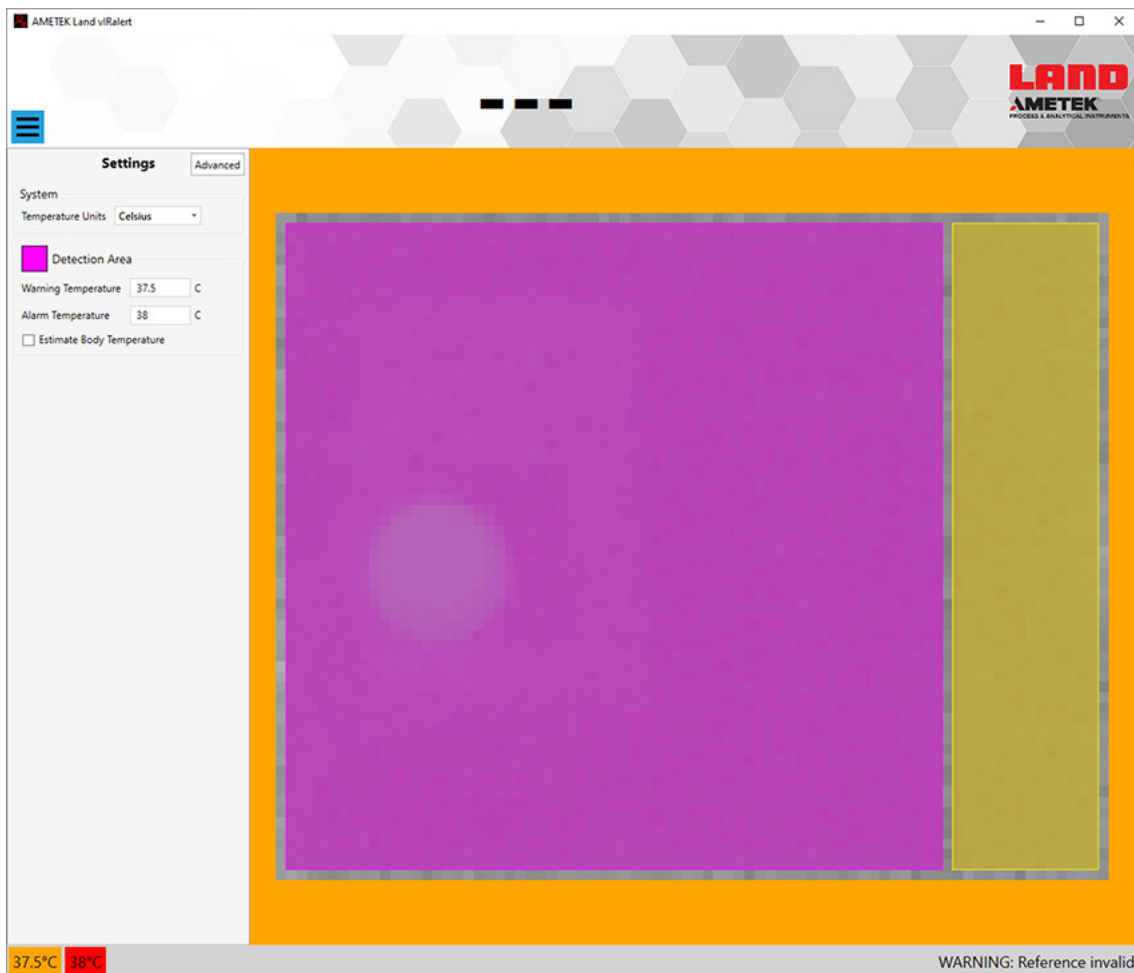


Fig. 5-1 Typical Settings screen display

The **Detection Area** is denoted by the purple rectangle.

The **Reference Area** is denoted by the orange rectangle.

This Reference Area is factory-set by default and should **only** be moved or resized if there is an issue with warm or hot objects other than the person being measured in the Detection Area.

- 2) If you do need to move the Detection Area, use your mouse to click and drag the corners of the rectangle to cover the face of the person being measured.

**CAUTION**

It is important that the Detection Area does not include any potential background sources of heat. This **includes** the Blackbody Reference Source. No part of the Blackbody Reference Source should be in the Detection Area.

By default, the Blackbody Reference Source will be in the lower right-hand corner of the thermal image. The Reference Area is factory-set to cover the right-hand side of the imager's field of view.

It is important the Detection Area and the Reference Area **do not** overlap.


- 3) Select the required **Temperature Units** (Celsius or Fahrenheit).
- 4) Set the **Warning Temperature** and **Alarm Temperature** to the values you require. Areas of the target at the warning value will be displayed in yellow pixels, and alarm temperatures will be displayed as red pixels on the thermal image.

**WARNING**

The threshold for an elevated body temperature alarm is a critical parameter for use of VIRALERT 3 LITE.

You should consult a medical advisor for assistance in setting the appropriate alarm point. The factory default value is 38 °C (100.4 °F)

5.2 Advanced Settings



CAUTION

VIRALERT 3 is supplied ready to take temperature measurements without any changes required to the settings.

You should **only** make changes to settings if your system requires adjustment to improve its operation.

- 1) In the VIRALERT LITE interface, click on the **Advanced** button to display further settings options, as shown in Fig. 5-2.

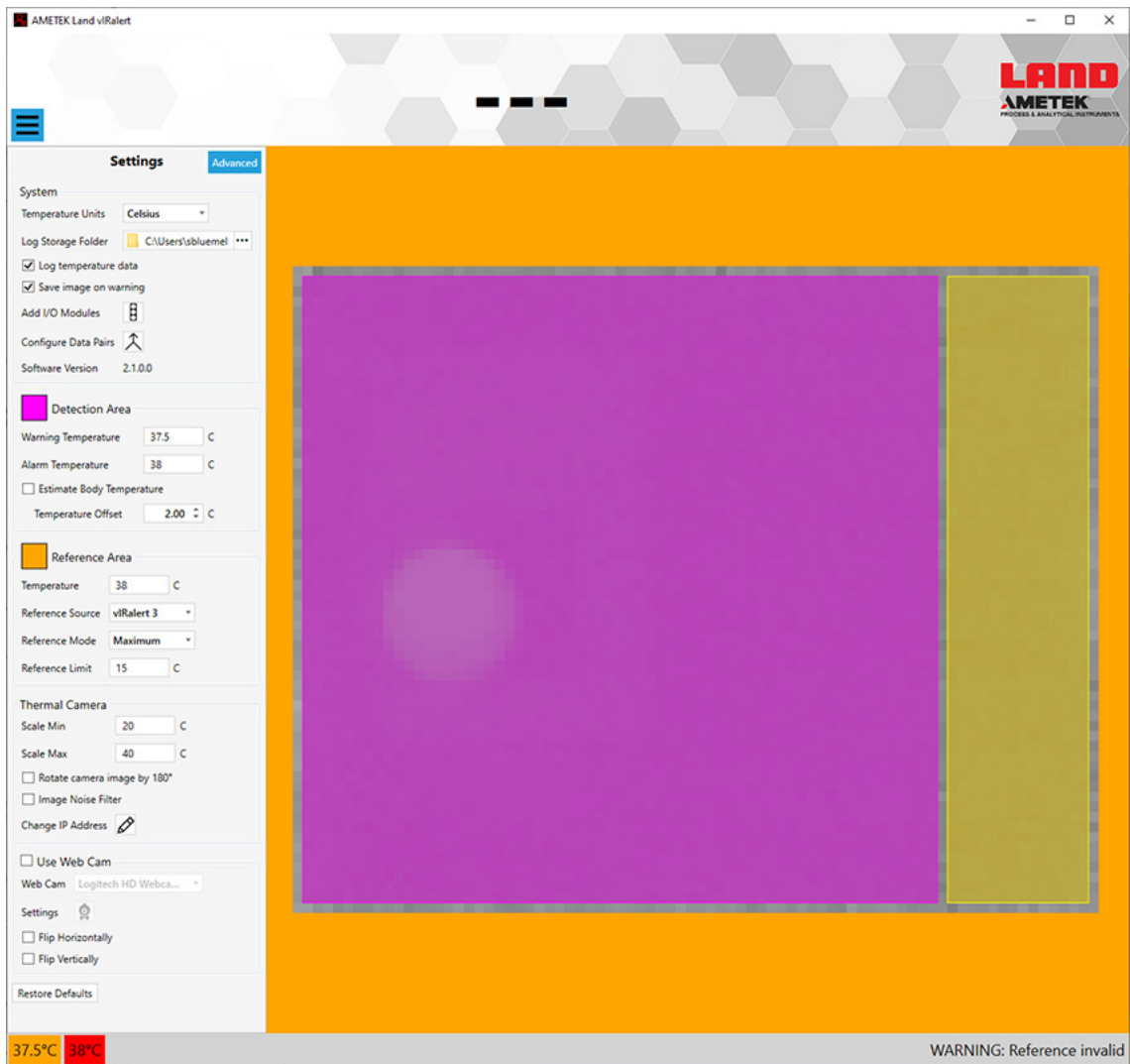


Fig. 5-2 Typical Advanced Settings screen display

The options available in the **Advanced** Settings are described in the table below.

| Option | Description |
|---------------------------|---|
| Log Storage Folder | Allows you to change the storage location of the temperature and image log files (see Section 5.3 Logging). |
| Save image on alarm | Saves a thermal image whenever the system goes into alarm. This is enabled by default. |
| Add I/O Modules | Allows you to search for connected Moxa I/O modules and add them to the system. |
| Configure Data Pairs | When an I/O module has been registered, the data outputs from the system need to be mapped to the required I/O module pin. |
| Software Version | The build version of the VIRALERT LITE software (Read only). |
| Detection Area | This displayed as a purple rectangle. This is factory-set to cover the area in which the person being measured should appear. Only if you need to move this, use your mouse to click and drag the corners of the rectangle to cover the required area. |
| Warning Temperature | The temperature detected by the imager above which pixels in the thermal image are displayed in yellow. |
| Alarm Temperature | The temperature detected by the imager above which pixels in the thermal image are displayed in yellow. |
| Estimate Body Temperature | Use this tick-box to choose whether or not the system estimates a person's body temperature based upon the measured skin temperature. The default is ON . |
| Temperature Offset | This is the offset that is applied to the detected temperature to estimate core body temperature For example, if you set the Temperature Offset to 2°C and enable Estimate Body temperature it will add 2°C to the calculated temperature |
| Reference Area | This displayed as an orange rectangle. This is factory-set to cover the hot area of the Blackbody Reference Source. Only if you need to move this, use your mouse to click and drag the corners of the rectangle to cover the required area. |
| Temperature | Set the value of the Reference Area to the known temperature of the Blackbody Heat Source (38°C / 100.4°F as standard). |
| Reference Source | Determines which Blackbody Reference Source is being used with the system. If your system was purchased with a VIRALERT 2 Blackbody Reference Source, then this setting should be changed. |
| Reference Mode | Chose the required mode for the Reference Area: Maximum – takes the maximum temperature detected in the reference area to use as a reference (default) Average – takes the average temperature of the blackbody area to use as a reference. |
| Reference Limit | This is the maximum temperature difference allowed between the temperature read by the Imager in the Reference Area and the Temperature stated above. This will tell the system at which point to assume that the heat source is not present or has been obscured and alert the operator. |
| Scale Min Scale Max | Adjust these settings to alter the temperature range visible in the image. |

| Option | Description |
|--------------------------------------|---|
| Rotate camera image by 180° | Select this option if the thermal image is upside down. |
| Image Noise Filter | Select this option to reduce the level of noise in the image. |
| Change IP Address | Allows you to adjust the IP address of the connected Imager, if required. |
| Use Web Cam | Allows you to enable web camera support in the software. If there are multiple web cams connected to the computer (e.g. an internal laptop camera and a USB camera) then select the one required for use within the software. The image feed from the camera will appear beside the thermal image. Click on the Settings button to change the settings of the web camera. These settings will differ depending on the model of camera connected and allow changes such as brightness, contrast and exposure. These settings are stored directly to the camera, they are not stored within VIRALERT LITE. |
| Flip Horizontally Flip Vertically | These options can be used to flip the image from the web cam, if required. |
| Restore Defaults | This option will reset all of the settings on this screen to their factory settings. |

5.3 Logging

All logged data is stored to the Log Storage Folder specified in the advanced settings. The default folder for this "Documents\Viralert Logs".

5.3.1 Temperature Data Logging

VIRALERT LITE logs a record of the maximum temperature data once a second when the temperature is above 30°C / 86°F.

This data is stored as a comma separated text file (CSV) named "PeriodicTemperatureLog.csv" in a folder with the date of recording.

5.3.2 Image Data Logging

When enabled through the Advanced settings, VIRALERT LITE will log an image showing the thermal scene and the maximum temperature to disk whenever a human is detected. If a web camera is enabled on the system, then an image from the camera will be stored alongside the thermal image.

The rules for logging an image are as follows:

- Wait until a stable temperature above 30°C / 86°F has been reached for half a second.
- If the system is in an alarm state, then log immediately.
- Otherwise log every 3 seconds while the temperature remains above 30°C / 86°F

Images are stored as JPG files in a folder with the date of the recording. The format of the file name is [temp time].jpg.

For example: "36.4C 13-05-19.jpg" means that the image was stored with a maximum temperature of 36.4°C at 13:05:19.

5.4 Communication

5.4.1 Modules

The I/O modules supported by VIRALERT LITE are listed below:

- MOXA ioLogik E1214 - 6 relay outputs
- MOXA ioLogik E1241 - 4 analogue outputs (0 to 10V or 4 to 20 mA via software configuration)
- EL4014 - 4 Analogue Outputs (0 to 20 mA or 4 to 20 mA via software configuration)
- EL2624 - 4 Relay Outputs

A total of 16 modules, comprising any combination of the above modules can be added. For more information on the MOXA ioLogik modules, refer to the user documentation supplied with each MOXA unit.

5.4.2 Adding I/O Modules

- 1) On the **Advanced** Settings screen, from the **System** section, select **Add I/O Modules**.

Any modules detected on your system will be displayed on the left-hand column of the **IO Modules** screen, as shown in Fig. 5-8.

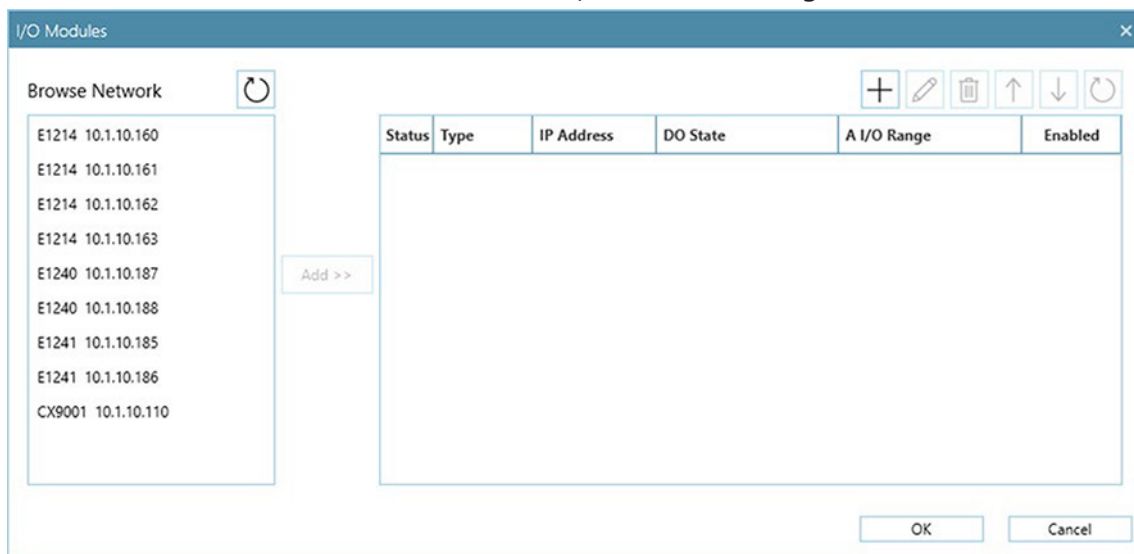


Fig. 5-8 Typical IO Modules screen

- 2) To add an individual module, click on the required module in the list then click the **Add** button to add it.
- 3) You can change the order of the modules in the list, for example, to reflect the order in which your modules are fitted on a DIN rail. Click on a module and use the Move Up or Move Down buttons to arrange the modules in the required order.
- 4) The **Remove** button allows you to select a module and delete it from the list. Multiple modules can be selected for removal.
- 5) If a module you require is not listed, you can use the **Add New...** button to enter the details of the required module.
- 6) When you have listed all the required modules, click on **OK**.
The **IO Modules** screen now displays a list of the modules connected.

5.4.3 Pairs (IO Module Data Pairing)

When you have configured your Modules, you can then assign a data source in VIRALERT 3 LITE to the output of a module. This is called 'configuring pairs'.

- 1) 1) On the **Advanced** Settings screen, from the **System** section, select **Configure Data Pairs**.

The **Data Pairs** screen displays a list of Available Data Sources and a list of Available Outputs, as shown in Fig. 5-9.

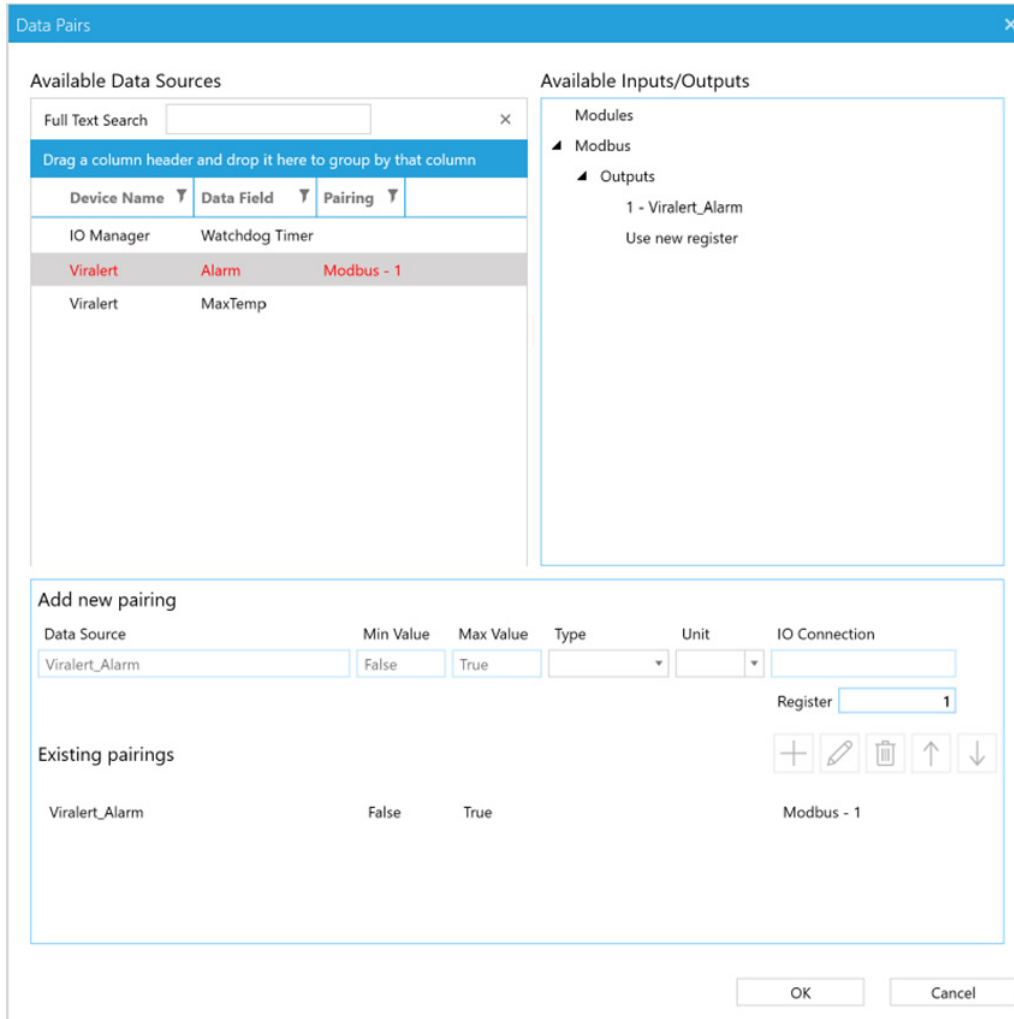


Fig. 5-9 Typical Data Pairs screen

The following outputs are available from VIRALERT 3 LITE:

- The Watchdog Timer is a signal which is transmitted at a user-defined interval to check that the system is functioning correctly. The loss of the Watchdog Timer could indicate a problem with the system.
- The Alarm signal is active whenever the alarm temperature threshold is triggered within VIRALERT 3 LITE.
- The MaxTemp signal sends the maximum temperature value registered within the detection area. This is the same temperature as that which can be displayed at the top of the screen in VIRALERT 3 LITE.

To configure a data pair:

- 1) Select the required output from the Available Data Sources table (for example "Alarm").
- 2) The list of Available Inputs/Outputs is expanded to show the corresponding available Digital Outputs that can be paired to the highlighted data source.
- 3) Click on the required output to highlight it e.g. E1214-1 D0 0.
The details of the **New Pairing** will be displayed.
- 4) Check that this pairing is correct, then press the Add Pair button .
The new pairing is added to the Existing Pairings list.
- 5) When you have configured the pairings, click **OK**.

6 SPECIFICATIONS

6.1 System Specifications

| Item | Description |
|---|---|
| Contents | VIRALERT 3 LITE thermal imaging camera with 4 m connection cable VIRALERT 3 LITE Blackbody temperature reference source with power adaptor and 3m connection cable Pre-installed single point mounting bracket Certificate of conformity Quick Start Guide Software available for free download from: www.ametek-land.com |
| Temperature accuracy | ± 0.5 °C / 0.9 °F (at a distance of 1 m / 39 in) |
| Mounting | Integrated single point system mounting |
| System weight | 0.75 kg / 1.65 lb (without cables) |
| System dimensions (mm) | System 350 x 110 x 90 (BBS: 65 x 60 x 35; Imager 100 x 80 x 45) |
| System dimensions (inches) | System 14 x 4.4 x 3.6 (BBS: 2.6 x 2.4 x 1.4; Imager 4 x 3.2 x 1.8) |
| Imager | |
| Interface | Wired Ethernet - Local PC |
| Power supply requirement interfaces | 5 VDC (USB) - Local PC |
| Operating Temperature range | 10 to 50 °C / 50 to 122 °F |
| Measurement range | 30 to 45 °C / 86 to 113 °F |
| Detector array format | 80 x 64 pixels |
| Detector | 8 to 14 μm, Uncooled Thermopile Array |
| Frame rate | <9 Hz |
| Temperature resolution | 0.1 °C / 0.2 °F |
| Field of view | 39 x 31° |
| Focus | Fixed focus, minimum 300 mm / 12 in |
| Blackbody Temperature Reference Source | |
| Temperature | 38 °C / 100.4 °F |
| Target size | 25 x 45 mm / 1 x 1.8 inches |
| Combined accuracy/stability | ±0.2 °C (±0.3 °F) |
| Power supply requirement | 5VDC (USB Mini B) power adaptor (supplied). US/JAPAN, EURO and UK plug compatible |
| Operating temperature range | 0 to 35 °C / 32 to 95 °F |
| Warm-up rate | 13 °C / 23 °F per minute |

| Item | Description |
|--------------------------------------|--|
| Software | |
| Features | VIRALERT 3 LITE Software: Continuous live picture in thermal and visual image On-screen and audible alarm status Simple traffic light display Body mode enabling calculated core temperature from measured skin temperature |
| Operating system | Windows 10 |
| Recommended minimum PC specification | I3 processor or equivalent. 4 GB RAM. Minimum 1 x RJ45 port and 1 x USB-A port. 64 GB Hard disk. |
| Languages supported | English |

6.2 Dimensional Information

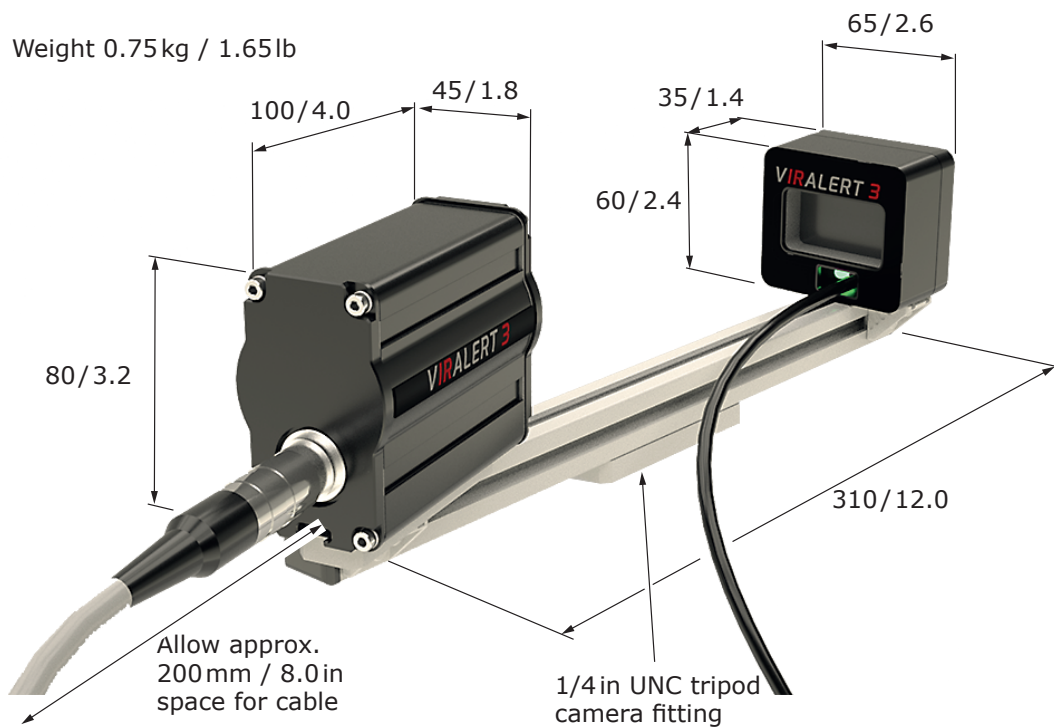


Fig. 6-1 Dimensional information in millimetres / inches

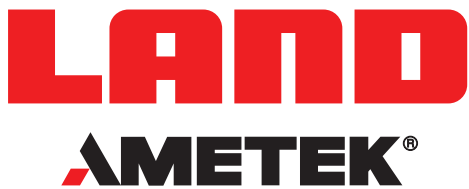
DISCLAIMER

Human skin temperature is affected by a wide number of environmental and physiological factors. Elevated facial skin temperature may signify a raised body core temperature; correspondingly, an elevated core temperature may not be accompanied by a raised facial skin temperature. VIRALERT systems are accurate scientific systems that must be operated strictly in accordance with the manufacturer's operating manual. VIRALERT systems are not intended, nor designed, to diagnose or detect medical conditions including, but not limited to, viruses or other illnesses. AMETEK Land thermal imaging products should only be used to detect variations of surface temperature. If elevated skin temperature is detected, the finding should be confirmed by other means, for example, an approved medical thermometer. The absence of an elevated skin temperature does not exclude a fever.

Images shown in this document are for illustrative purposes only.

VIRALERT 3 LITE SYSTEM

HUMAN BODY TEMPERATURE SCREENING



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Continuous product development may make it necessary to change these details without notice. VIRALERT 3 LITE System User Guide, Issue 1, 30 July 2020