

BT-FEVERCAM



ENGLISH

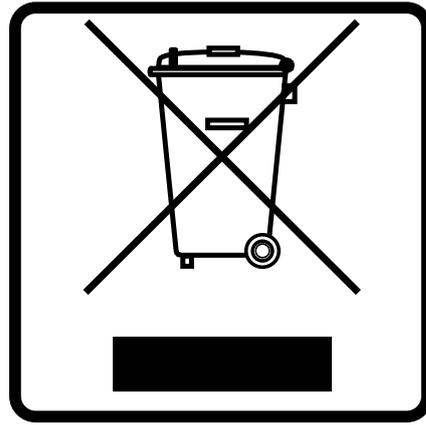
Operation Manual

Other languages can be downloaded from:
WWW.BRITEQ-LIGHTING.COM



Version: 1.0





EN - DISPOSAL OF THE DEVICE

Dispose of the unit and used batteries in an environment friendly manner according to your country regulations.

FR - DÉCLASSER L'APPAREIL

Débarrassez-vous de l'appareil et des piles usagées de manière écologique Conformément aux dispositions légales de votre pays.

NL - VERWIJDEREN VAN HET APPARAAT

Verwijder het toestel en de gebruikte batterijen op een milieuvriendelijke manier conform de in uw land geldende voorschriften.

DU - ENTSORGUNG DES GERÄTS

Entsorgen Sie das Gerät und die Batterien auf umweltfreundliche Art und Weise gemäß den Vorschriften Ihres Landes.

ES - DESHACERSE DEL APARATO

Reciclar el aparato y pilas usadas de forma ecologica conforme a las disposiciones legales de su país.

PT - COMO DESFAZER-SE DA UNIDADE

Tente reciclar a unidade e as pilhas usadas respeitando o ambiente e em conformidade com as normas vigentes no seu país.

OPERATION MANUAL

Thank you for buying this Briteq® product. To take full advantage of all possibilities and for your own safety, please read these operating instructions very carefully before you start using this unit.

FEATURES

- Thermographic fever detection camera equipped with an inventive 256x192 IRFPA-sensor!
- Thanks to Artificial Intelligence, this camera simultaneously scans the temperature of large flows of people.
- Perfect for non-contact fever monitoring at entrance of schools, universities, malls, companies, sports centers/clubs, hospitals, bus/railway stations, concerts, museums, ...
- The included PC Software installs easily on any PC, laptop or tablet with WIN10 64bit operating system.
- Multi-target temperature measurement up to 2m distance with 0,5°C accuracy!
- The automatic “fever alarm” can be enabled or disabled based on your specific need. Confidential manual monitoring is possible (For example to comply to EU GDPR regulations).
- A thermo snapshot can be saved, but also this function can be disabled based on your specific need. (For example to comply to EU GDPR regulations).
- Measurement range: 30 – 45°C
- Setup takes only a few minutes and operation is very easy!
- Components included:
 - Thermal camera
 - Tripod
 - PC Software
 - Camera & tablet mounting rail
 - Tablet Holder
 - Camera Holder (2 metal parts)
 - 2 big screws + 6 small screws
 - Allen Key
 - USB-A to USB-C cable

PRIVACY AND PROTECTION OF PERSONAL DATA (GDPR)

This product can be equipped with features that treat Personal Data and possibly register them (ex. Thermal images and video images).

The use of these features can be subject to local law and regulations, such as for example those that relate to the treatment of personal data, the use of camera's or the principle of confidentiality of electronic communication. Please take sufficient information so that you comply with the local regulation. Beglec can't be held responsible nor accountable for your use of such features.

BEFORE USE

- Before you start using this unit, please check if there's no transportation damage. Should there be any, do not use the device and consult your dealer first.
- **Important:** This device left our factory in perfect condition and well packaged. It is absolutely necessary for the user to strictly follow the safety instructions and warnings in this user manual. Any damage caused by mishandling is not subject to warranty. The dealer will not accept responsibility for any resulting defects or problems caused by disregarding this user manual.
- Keep this booklet in a safe place for future consultation. If you sell the fixture, be sure to add this user manual.

Check the contents:

Check that the carton contains the following items:

- Operating instructions
- Infrared Camera
- Tripod
- Tablet Holder
- Camera Holder (2 metal parts)
- Screws (6 small + 2 big)
- Allen Key
- Camera & tablet mounting rail
- USB-A to USB-C cable

SAFETY INSTRUCTIONS:

CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN



CAUTION: To reduce the risk of electric shock, do not remove the top cover. No user-serviceable parts inside. Refer servicing to qualified service personnel only.



The lightning flash with arrowhead symbol within the equilateral triangle is intended to alert the user or the presence of un-insulated “dangerous voltage” within the product’s enclosure that may be of sufficient magnitude to constitute a risk of electric shock.



The exclamation point within the equilateral triangle is intended to alert the user to the presence of important operation and maintenance (servicing) instructions in the literature accompanying this appliance.

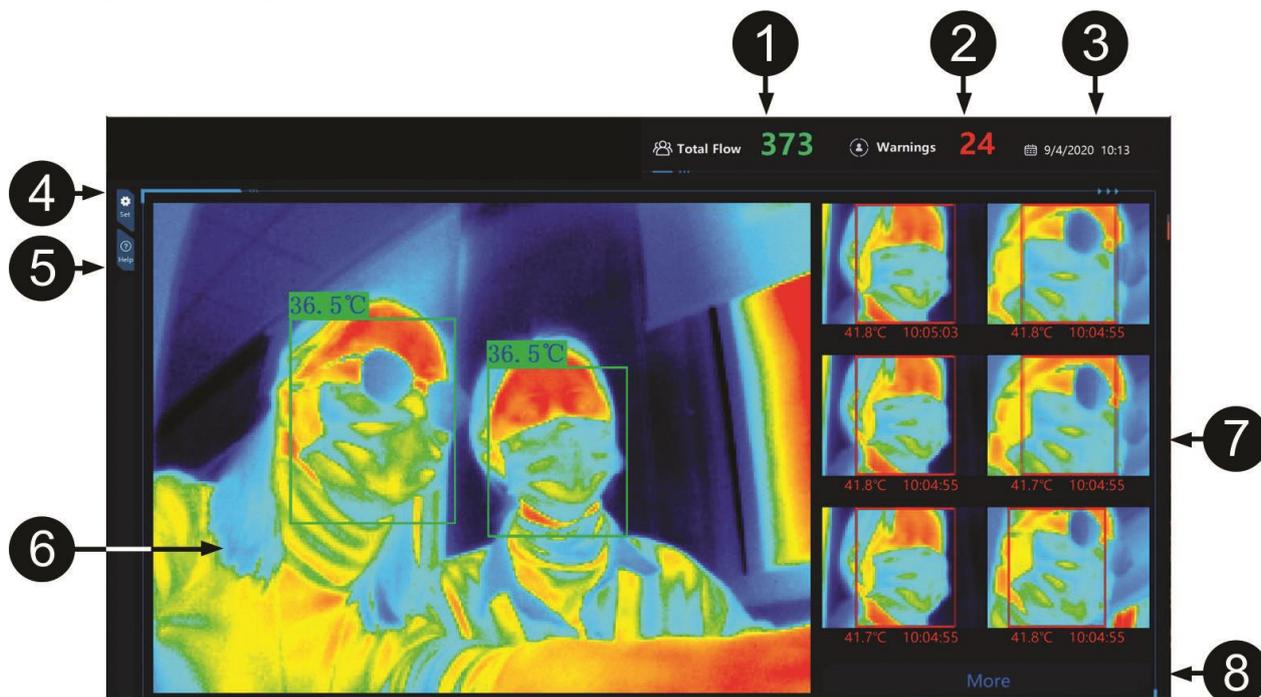


This symbol means: indoor use only



This symbol means: Read instructions

- To protect the environment, please try to recycle the packing material as much as possible.
- To prevent fire or shock hazard, do not expose this appliance to rain or moisture.
- To avoid condensation to be formed inside, allow the unit to adapt to the surrounding temperatures when bringing it into a warm room after transport. Condense sometimes prevents the unit from working at full performance or may even cause damages.
- This unit is for indoor use only.
- Don't place metal objects or spill liquid inside the unit. Electric shock or malfunction may result. If a foreign object enters the unit, immediately disconnect the mains power.
- Don't cover any ventilation openings as this may result in overheating.
- Prevent use in dusty environments and clean the unit regularly.
- Keep the unit away from children.
- The electrical installation should be carried out by qualified personal only, according to the regulations for electrical and mechanical safety in your country.
- Check that the available voltage is not higher than the one stated on the rear panel of the unit.
- The power cord should always be in perfect condition. Switch the unit immediately off when the power cord is squashed or damaged. It must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.
- Never let the power-cord come into contact with other cables!
- Always use an appropriate and certified safety cable when installing the unit.
- In the event of serious operating problems, stop using the fixture and contact your dealer immediately.
- The housing and the lenses must be replaced if they are visibly damaged.
- Please use the original packing when the device is to be transported.
- Due to safety reasons it is prohibited to make unauthorized modifications to the unit.

DESCRIPTION:

1. **TOTAL FLOW:** total number of controlled people
2. **WARNINGS:** number of people that were detected with high body temperature
3. **INFO:** date and time
4. **SETTINGS:** click here to access the available settings
5. **HELP:** click here to access the help function (user manual)
6. **CAMERA VIEW:** this shows the real time infrared image. The software automatically recognizes and frames the face. At the same time, it shows the measured body temperature. The software can check several people at once. The maximum number of people that should be scanned at the same time can be set in the software (settings)
7. **ALARM PICTURES:** when this function is switched on: as soon as somebody with high body temperature is detected, his picture will be displayed in this area of the screen.
8. **MORE:** when storage of alarm pictures is switched on, more 'alarm' images can be found here.

OPERATING INSTRUCTIONS

This product can work in an environment of 2°C to 50°C.

To ensure accuracy, please avoid wind, rain and direct sunlight.

Important: check and adjust the parameters in the setting menu before you use the unit. If the settings are not correct (for example a wrong ambient temperature), the accuracy of the measurements can NOT be guaranteed !

SETTINGS (4)

Image Color Mode <input type="text" value="Rainbow"/> Min Shutter Temperature <input type="text" value="0.2"/> Min Shutter Time <input type="text" value="10"/> Max Shutter Time <input type="text" value="45"/> Mirror <input checked="" type="checkbox"/>	AI Face Detection Global Mode <input type="checkbox"/> Max Face Number <input type="text" value="10"/> Tolerance <input type="text" value="-0.45"/> Scale <input type="text" value="2.5"/>	Alarm Alarm Enable <input type="checkbox"/> Min Alarm Temperature <input type="text" value="37.3"/> Max Alarm Temperature <input type="text" value="42"/> Volume <input type="text" value="100"/>	Broadcast Broadcast Enable <input type="checkbox"/> Interval Time <input type="text" value="2"/> Volume <input type="text" value="100"/> Warning Only <input checked="" type="checkbox"/>
Environment Atmospheric Temperature <input type="text" value="20"/> Target Emissivity <input type="text" value="0.98"/> Use Fixed Distance <input type="checkbox"/> Target Distance <input type="text" value="1"/>	Region of Interest ROI Enable <input type="checkbox"/> LeftTop X <input type="text" value="0"/> LeftTop Y <input type="text" value="0"/> RightBottom X <input type="text" value="191"/> RightBottom Y <input type="text" value="255"/>	Region of Shield Shield Enable <input checked="" type="checkbox"/> LeftTop X <input type="text" value="76"/> LeftTop Y <input type="text" value="35"/> RightBottom X <input type="text" value="116"/> RightBottom Y <input type="text" value="189"/>	Others Temperature Adjustment <input type="text" value="5"/> Body Temperature Mode <input type="text" value="1111"/> Point Measure Time <input type="text" value="2"/> Temperature Unit <input type="text" value="°C"/> Language <input type="text" value="English"/> Alarm Image Saving Folder Mode <input type="text" value="C:\data"/>

Restore Factory Settings

- **IMAGE**
 - Color Mode: several display color modes are available. Select the one you prefer
 - Min Shutter Temperature: minimum temperature change value that triggers the shutter function
 - Min Shutter Time: Minimum shutter interval
 - Max Shutter Time: Maximum shutter interval
 - Mirror: use this function to mirror the image on the screen (left and right are inverted)
- **ALL FACE DETECTION**
 - Global Mode: face detection will be switched off and only the highest temperature of the total captured image will be displayed.
 - Max Face Number: set the maximum number of faces that can be detected
 - Tolerance: set the tolerance value for the face detection
 - Scale: Face detection distance related parameter. The larger the value, the more faces are allowed to be detected, but the more computer resources are required
- **ALARM**
 - Alarm Enable: when switched on, an audio alarm will go off as soon as a high temperature is detected
 - Min Alarm temperature: set the minimum temperature that should trigger the alarm
 - Max Alarm temperature: set the maximum temperature that should trigger the alarm
 - Volume: set the alarm audio level.
- **BROADCAST**
 - Broadcast Enable: also broadcast when the body temperature is normal
 - Interval Time: Alarm interval time
 - Volume: Alarm volume (max = 100)
 - Warning Only: broadcast only when the body temperature is not normal.
- **ENVIRONMENT**
 - Atmospheric Temperature: set the correct ambient temperature (important !!!)
 - Target emissivity: Emissivity of target object adjustment
 - Use Fixed Distance: when switched on, measurement will be done on a specific target distance
 - Target Distance: set the target distance for the measurement. Default is 1 meter

- REGION OF INTEREST
 - use this function if you want to control the temperature only in a specific area of your image
 - ROI Enable: region of interest functions enabled
 - Draw on Image: click anywhere on your image to check instantly the temperature on this specific spot.
 - Left Top X: X coordinate of the upper left point of your area frame
 - Left Top Y: Y coordinate of the upper left point of your area frame
 - RightBottom X: X coordinate of the lower right point of your area frame
 - RightBottom Y: Y coordinate of the lower right point of your area frame
 - Visible: if switched on, the area frame will be visible on the screen.
- REGION OF SHIELD (not used)
 - Shield Enable:
 - Draw on Image:
 - Left Top X:
 - Left Top Y:
 - RightBottom X:
 - RightBottom Y:
 - Visible:
- OTHERS
 - Temperature Adjustment: can be used to calibrate the temperature measurement
 - Body Temperature Mode: the forehead temperature is automatically converted to body temperature. It is recommended to keep the factory setting
 - Point Measure Time: display time of the spot temperature mode (when you click on a person)
 - Temperature Unit: select the unit in which the temperature is displayed
 - Language: Select your language
 - Alarm Image Saving Folder: select where the alarm images should be stored on your device
 - When you click on the left side of this window, 2 options will appear:
 - Valid Path: the images will be stored on your computer at the desired location
 - Not a Path: the images will not be stored on your computer

MAINTENANCE

During inspection the following points should be checked:

- All screws used for installing the device and any of its parts should be tightly fastened
- Housings, fixations and installations spots should be totally free from any deformation.
- When an optical lens is visibly damaged due to cracks or deep scratches, it must be replaced.
- The cleaning of optical lenses must be carried out periodically to optimize performance.

SPECIFICATIONS

This unit is radio-interference suppressed. This product meets the requirements of the current European and national guidelines. Conformity has been established and the relevant statements and documents have been deposited by the manufacturer.

Measuring Range:	30-45°C
Measuring Accuracy:	0.5°C
Range of the measuring distance:	0.15m to 1m
Working temperature environment:	2 to 50°C
Resolution:	256x192
FPS:	25hz
Focal Length:	3.2mm
Field of View:	56°x4.2°
Camera connector:	USB-C
Camera Size:	8 x 8 x 1.5 cm
Camera Weight:	0.24 kg

Every information is subject to change without prior notice

You can download the latest version of this user manual on our website: www.briteq-lighting.com



MAILING LIST

EN: Subscribe today to our mailing list for the latest product news!

FR: Inscrivez-vous à notre liste de distribution si vous souhaitez suivre l'actualité de nos produits!

NL: Abonneer je vandaag nog op onze mailinglijst en ontvang ons laatste product nieuws!

DE: Abonnieren Sie unseren Newsletter und erhalten Sie aktuelle Produktinformationen!

ES: Suscríbete hoy a nuestra lista de correo para recibir las últimas noticias!

PT: Inscreva-se hoje na nossa mailing list para estar a par das últimas notícias!

WWW.BRITEQ-LIGHTING.COM

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't Hofveld 2C ~ B1702 Groot-Bijgaarden ~ Belgium

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