

BT-FEVERCAM2 PRO



ENGLISH

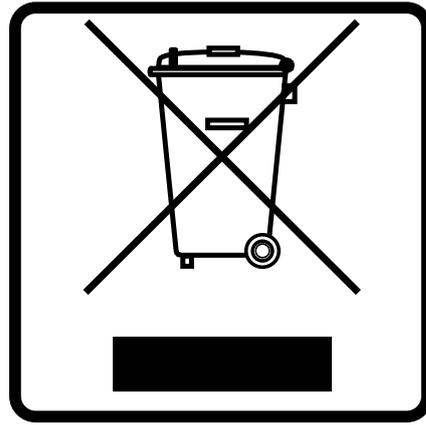
Operation Manual

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

- Hi-tech thermographic fever detection system using 2 cameras:
 - 1 Thermal camera equipped with an inventive 256x192 IRFPA-sensor
 - 1 Visual light camera equipped with a 1280x768 pixel 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 system includes a micro-computer with pre-installed software: just connect the system to an optional video monitor using the included HDMI-cable and you are ready to run!**
- No PC needed, even an IR-remote control for easy operation is included!
- Multi-target temperature measurement up to **4m distance** with 0,5°C accuracy!
- The automatic “fever alarm” goes off and a **combined thermal + visual snapshot** is saved when a person with increased temperature passes: **very easy to recognize someone with fever!** Both functions can be disabled for manual follow-up if your specific application requires this.
- Measurement range: 30 – 45°C
- Setup takes only a few minutes and operation is very easy!
- Components included:
 - Dual lens thermal + visual light camera
 - Tripod
 - Micro-computer with software
 - IR-remote control
 - HDMI-cable (*video monitor or TV with HDMI-input optional*)

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
- Camera
- Android Box
- Remote Controller
- Tripod
- Power Adapter (5v / 3A)
- Camera tripod adapter plate
- Screws (4)
- Allen Key
- HDMI 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



This symbol means: Safety Class III appliance

- 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.
- Maximum safe ambient temperature is 40°C. Don't use this unit at higher ambient temperatures.
- Make sure the area below the installation place is free from unwanted persons during rigging, de-rigging and servicing.
- Always unplug the unit when it is not used for a longer time or before replacing the bulb or start servicing.
- 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. **USB-3 INPUT (blue):** connect the camera cable with the SINGLE USB connector here
2. **MIDCO SD CARD SLOT:** insert a micro SD card if you want to add storage space to the unit
3. **IR REMOTE RECEIVER:** point the wireless remote controller to this spot if you want to control the unit via the supplied. (the remote controller should be powered by 2 AAA batteries)
4. **USB-2 INPUT (white):** connect the camera cable with the DOUBLE USB connector here
5. **POWER INPUT:** connect the supplied power adapter to this input.
6. **NETWORK ONPUT:** can be used if you want to connect the unit to the internet or to your local network.
7. **HDMI OUTPUT:** use this output to connect the unit to a TV screen or monitor via the supplied HDMI cable
8. **AUDIO OUTPUT:** can be used to connect headphones or an amplifier.



9. **DETECT NUM:** total number of controlled people
10. **ALARM NUM:** number of people that were detected with high body temperature
11. **INFO:** date and time
12. **SETTINGS:** click here to access the available settings
13. **HELP:** click here to access the help function (user manual)
14. **CAMERA VIEW:** this shows the real time camera image
15. **IR CAMERA VIEW:** this shows the real time thermal camera 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.

16. **ALARM PICTURES:** when the Save Record function is switched on: the images with the controlled people will be displayed here.
17. **HISTORY:** when Save Record of alarm pictures is switched on, more 'alarm' images can be found here.

OPERATING INSTRUCTIONS

This product can work in an environment of 10°C to 50°C. For a accurate measurements, we advise to use the unit in an environment between 10°C and 40°C.

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

SETTINGS

Click on the [Set] tab in the upper left corner to open the setting window

- VISUAL CAMERA SETTING
 - Mirror: use this function to mirror the image of both camera's on the screen (left and right of each image are inverted)
 - Mask Detection: when switched on, the camera will also check if people are wearing a mask. If they are not, an audio message (please wear mask) will also be played. This function / warning can be switched on or off.
 - Save Record: images can be displayed and stored. When it is not allowed to use this function (local privacy regulations) it can be switched off.
 - ON: images will be displayed on the screen and they will also be stored in the Android Box.
 - OFF: no images will be displayed or stored.
- IR CAMERA SETTING
 - Pseudo Color: several display color modes are available. Select the one you prefer
 - Temperature Type: select the unit in which the temperature is displayed
 - IR Display Mode:
 - ON: normal camera image + thermal camera image will both be shown on the screen.
 - OFF: only the normal image will be displayed on the screen. The camera image of the thermal camera will not be displayed anymore, but the measured information (temperature / mask) will still be shown on the normal camera image.
- SYSTEM SETTINGS
 - Language: Select your language
 - Voice of Alarm: when switched on, an audio alarm will go off as soon as a high temperature is detected
 - Calibration: if needed, the displayed temperature can be adjusted via the + or – buttons. Double check with another device or thermometer to calibrate the unit. (differences can appear under different types of working conditions)
 - Alarm temperature: set the desired alarm temperature. Controlled people with this temperature or higher will trigger the alarm.
 - Version: firmware version
- CLEAR CACHE: used to delete all the recorded images
- DEFAULT SETTING: used to reset the unit and to go back to all the original factory settings.

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 and may not be corroded.
- 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 and reliability.

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.

Tripod height:	54 – 156 cm
Supplied power adapter:	AC100-240V 50/60Hz → DC5V 3A
Measuring Range:	30-45°C
Measuring Accuracy:	0.5°C (environment temperature from 10°C to 40°C)
Range of the measuring distance:	4m max.
Working temperature environment:	10°C to 50°C
Recommended Working temperature:	10°C to 40°C

THERMAL CAMERA

Resolution:	256x192
FPS:	25hz
Focal Length:	3.2mm
Field Angle:	56°x42°

CAMERA

Resolution:	1280x720
Focal Length:	4.4mm
Field Angle:	80°

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!

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