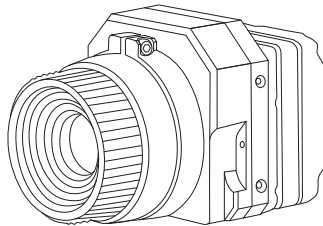# ICI
INFRARED CAMERAS INC

8000 SERIES IR CAMERA
QUICK START GUIDE

THIS DEVICE IS INTENDED FOR ADJUNCTIVE USE WITH OTHER CLINICAL DIAGNOSTIC PROCEDURES TO MEASURE HUMAN BODY TEMPERATURE VIA NON-CONTACT SKIN MEASUREMENTS VISUALIZED FROM THE HUMAN FACE. NOT MEANT FOR STANDALONE CLINICAL DIAGNOSTIC PROCEDURES OR TO TREAT OR DIAGNOSE PATIENTS.

ICI cameras fall under US Federal Law and Export Control.

2105 W. Cardinal Dr. Beaumont, TX 77705
Phone: (409) 861-0788
Toll Free: (866) 861-0788
infraredcameras.com
support@infraredcameras.com
We Are IR ™

Printed in the United States of America.

2105 W. Cardinal Dr.
Beaumont, TX 77705
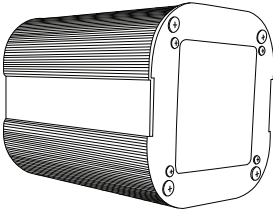(866) 861-0788
www.infraredcameras.com

Revision: 4.2021-001

Package Includes

Temperature Reference
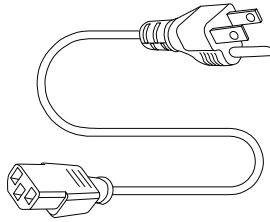
AC Power Cord

Mounting Bracket

Laptop
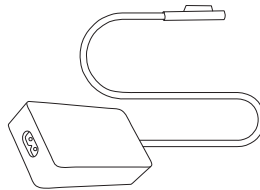
Laptop AC Power Adapter
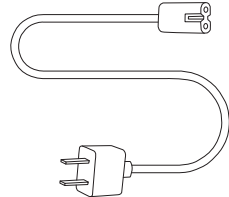
Laptop AC Power Cord
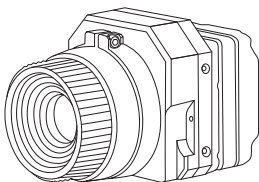
8000 Series IR Camera
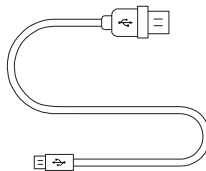
Mini-USB to USB Cable
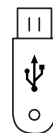
Software USB Drive

ENSURE ALL SYSTEM EQUIPMENT AND COMPONENT ITEMS ARE PRESENT BEFORE BEGINNING INSTALLATION
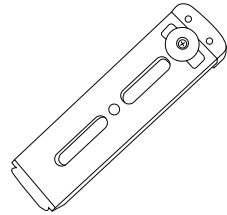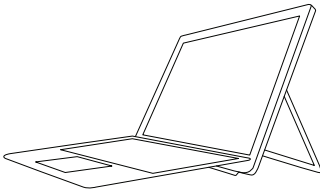
Set Up

SELECT AN APPROPRIATE AREA FREE OF IMMEDIATE AIRFLOW FROM DOORWAYS AND AIR CONDITIONING/VENTILATION SYSTEMS. THE SELECTED AREA SHOULD HAVE A STABLE AMBIENT TEMPERATURE BETWEEN 20 °C AND 24 °C (68 °F TO 75.2 °F)AND RELATIVE HUMIDITY RANGE FROM 10% TO 50%.

A.

Loosen mounting bracket by turning dial to the left.
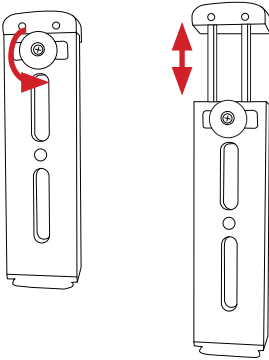
B.

Place mounting bracket securely on back of laptop computer.*
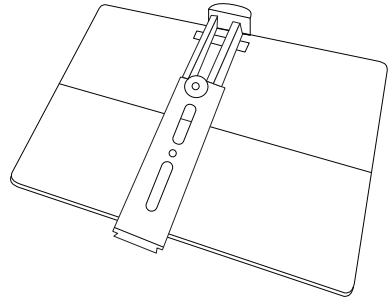
* YOU CAN LEAVE THE TYPE COVER ATTACHED, OR REMOVE IT. EITHER OPTION FITS WITH THE MOUNTING BRACKET.

C.

Tighten mounting bracket by turning the dial to the right.
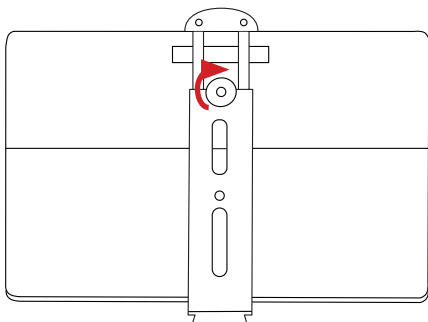
D.

Mount the mounting bracket to a tripod using the ¼-20 mount.
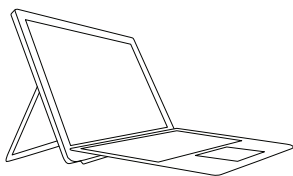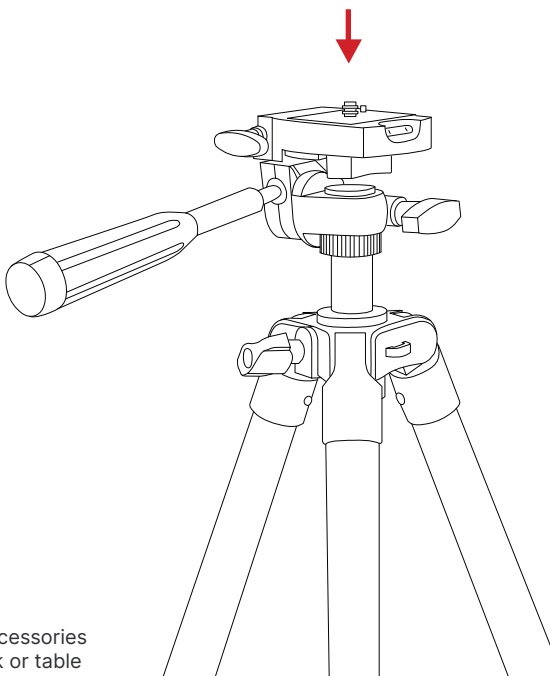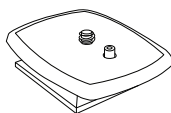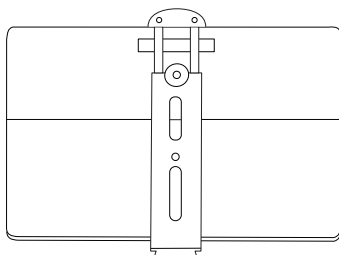
If you did not purchase tripod accessories place the laptop on a stable desk or table

E.

Plug laptop power cord into
laptop power adapter.
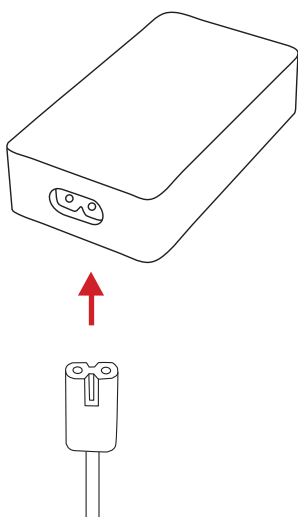
F.

Plug laptop power adapter
into laptop computer.
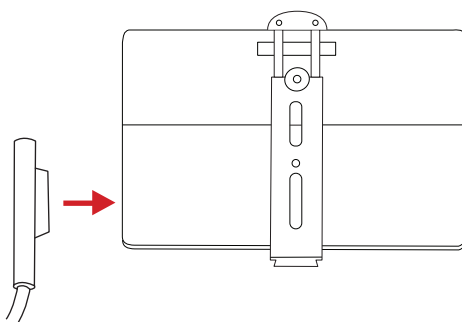
G.

Plug power cord into a
110/120V electrical outlet.
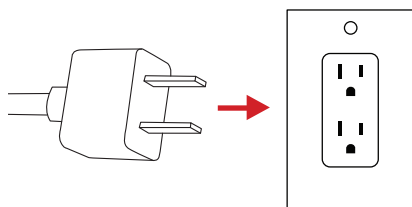
H.

Mount the Temperature Reference to
a tripod using the ¼-20 mount.
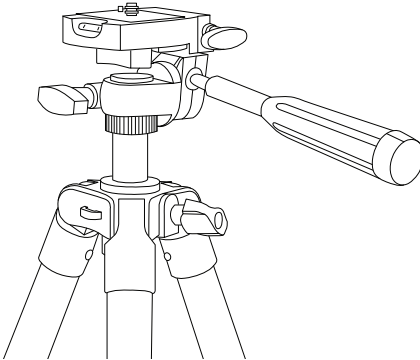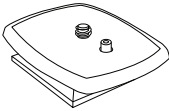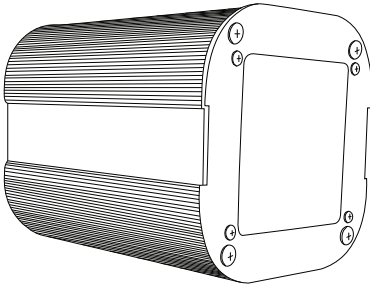
I.

Plug power cord
into Temperature Reference.
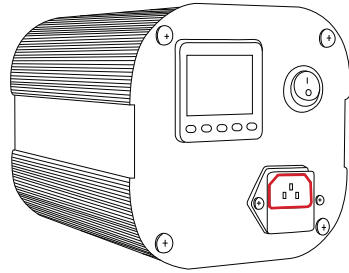
MAKE SURE TRIPODS DO NOT BLOCK THE DIRECT PATH OF PERSON(S) TO BE IMAGED TO ENSURE THE EQUIPMENT WILL NOT BE MOVED OR KNOCKED DOWN. USING A DIVIDING BARRIER WILL HELP KEEP TRIPODS SEPARATE FROM THE PATH.

J.

Plug power cord into a
110/120V electrical outlet.
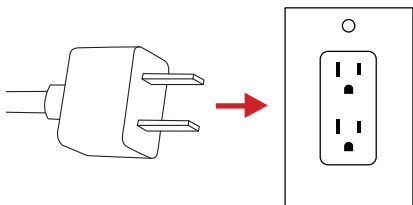
K.

Mount the 8000 Series IR Camera to a
tripod mount using the ¼-20 mount.
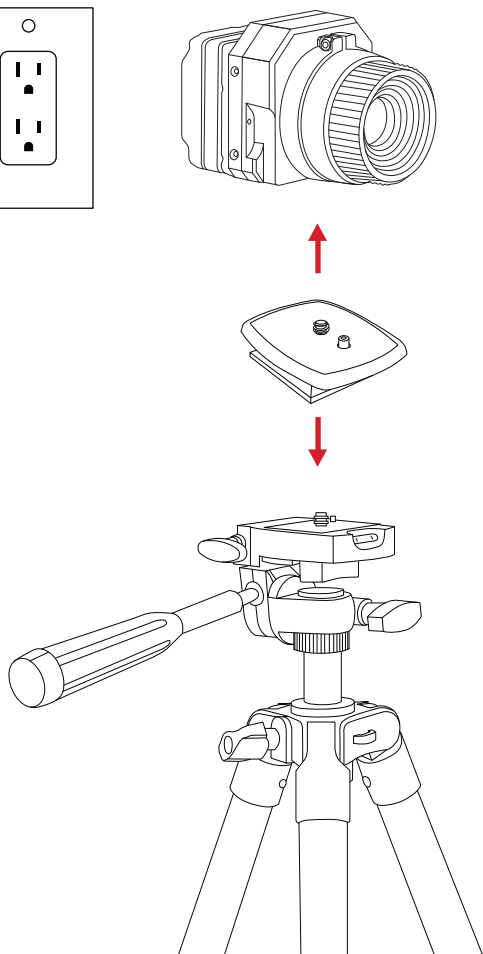
**ENSURE THE CAMERA LENS AND TEMPERATURE REFERENCE
SOURCE ARE FACING EACH OTHER ON PARALLEL PLANES. MAKE
SURE CAMERA TARGET AREA IS FACING A NON-REFLECTIVE
BACKGROUND.**

L.

Plug the Mini-USB end of the USB cable into the back of the 8000 Series Camera.
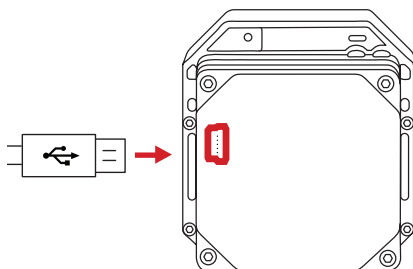
M.

Plug the other end of the USB cable into the laptop computer.
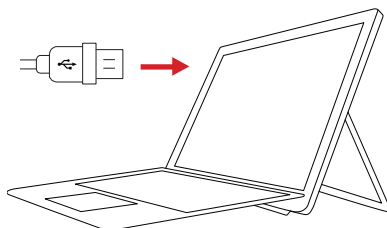
N.

Power on devices.
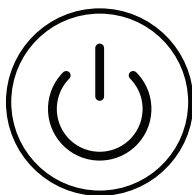
ALLOW AT LEAST 45 MINUTES FOR THE TEMPERATURE REFERENCE SOURCE TO WARM UP. THIS WILL PROVIDE THE MOST ACCURATE SKIN TEMPERATURE MEASUREMENTS.

SOFTWARE ARRIVES INSTALLED ON COMPUTERS AND TABLETS PURCHASED FROM ICI AS COMPLETE SYSTEMS AND IT WILL LAUNCH AUTOMATICALLY ON STARTUP. AFTER THE SOFTWARE LAUNCHES THE USER SHOULD ENSURE THE TARGET ZONE IS IN VIEW OF THE CAMERA AND THE TEMPERATURE REFERENCE SOURCE IS POSITIONED OFF CENTER TO KEEP THE PERSON BEING IMAGED AS CENTERED AS POSSIBLE.

Charging Instructions

A.

Plug the power cord into the power adapter.
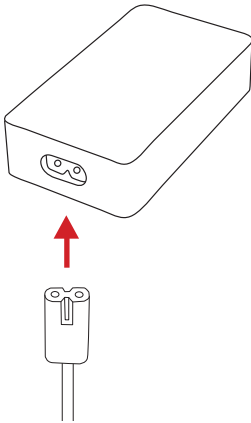
B.

Plug power adapter into laptop
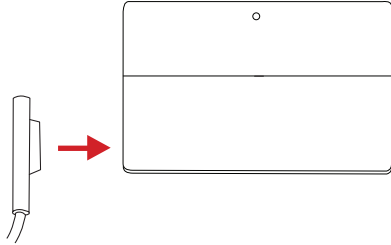
## C.

Plug power cord into a 110/120V electrical outlet.
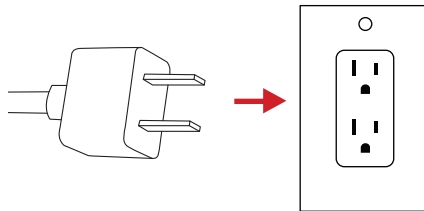
THE DEVICE TAKES BETWEEN TWO AND THREE HOURS TO CHARGE COMPLETELY. IT MAY CHARGE IN LESS TIME, DEPENDING ON HOW LOW ITS BATTERY HAS DRAINED. YOU CAN USE YOUR SYSTEM WHILE IT'S CHARGING, BUT THE CHARGING TIME WILL TAKE LONGER.

Software

Software arrives installed on computers and tablets purchased from ICI as complete systems and it will launch automatically on startup. A copy of the software is provided on the Software USB Drive. Documentation can be found online on the IR Flash STM web page under the Downloads section or at this address:

https://infraredcameras.com/ir-flash-stm-manual/

Recommended System Requirements

- **Processor:** i5 or above (Quad Core or better)
- **RAM:** 4 GB or above
- **OS:** Windows 8/8.1/10
- **Hard Drive:** 256 GB or above
- **Resolution:** 1920 x 1080

CRITICAL INFORMATION

- The technology should be used to measure only one subject's temperature at a time.

- Measurements should not be solely, or primarily, relied upon to diagnose or exclude a diagnosis of any disease.

- Elevated body temperature should be confirmed with secondary evaluation methods (e.g., an NCIT or clinical grade contact thermometer).

- Signage should instruct for the removal of glasses, headwear, and masks.

- Read the current government guidance regarding the use of telethermographic systems for skin temperature measurements. Additional information can be found by reading IEC 80601-2-59:2017 Medical electrical equipment — Part 2-59: Particular requirements for the basic safety and essential performance of screening thermographs for human febrile temperature screening and ISO/TR 13154:2017 Medical electrical equipment - Deployment, implementation and operational guidelines for identifying febrile humans using a screening thermograph.

CRITICAL INFORMATION

ABOUT ICI / CONTACT

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2105 W. Cardinal Dr.
Beaumont, TX 77705

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General Inquiry: support@infraredcameras.com

Website: www.infraredcameras.com

You may reach a representative by phone or email Mon – Fri 8:00AM - 5:00PM CST.

ICI manufactures complete systems and software. We can provide complete engineering, software, and OEM solutions. Our Fortune 500 clients rely on us for infrared equipment and thermography training (which we offer through the Infrared Training Institute).

In addition to providing custom germanium, silica, and sapphire optics, we also build windows for enclosures, as well as custom pan and tilt units. We can even provide customizable explosion-proof systems.

Our knowledge and experience stems from years of using infrared imaging and temperature measurement instruments to provide solutions to: managers, engineers, scientists, inspectors and operators in space, power companies, medical, pulp and paper, food industry, research and development, and various process industries. You can see our products and services used in industrial, commercial, and government applications worldwide. Originally named Texas Infrared (still DBA), Infrared Cameras, Inc. has been in business since March, 1995.

Thank you for your dedicated and continued support.