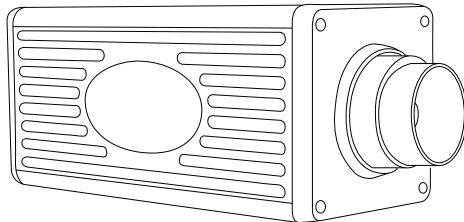Medical

ICI
INFRARED CAMERAS INC

FMX 320/FMX 640 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
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infraredcameras.com
support@infraredcameras.com
We Are IR ™

Printed in the United States of America.

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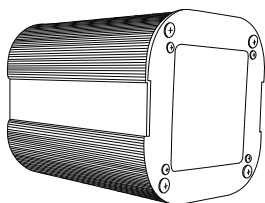(866) 861-0788
www.infraredcameras.com

Revision: 4.2021-001

Package Includes

Temperature Reference
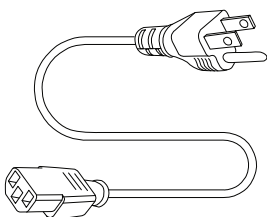
AC Power Cord
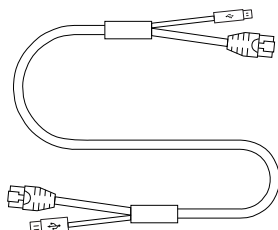
Option 1: Combo Cable
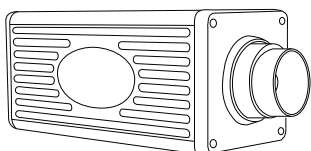
FMX Series IR Camera
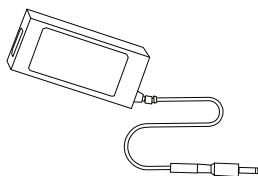
AC Power Adapter
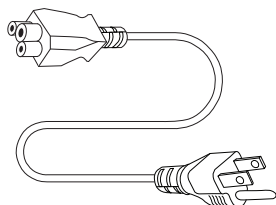
AC Power Cord
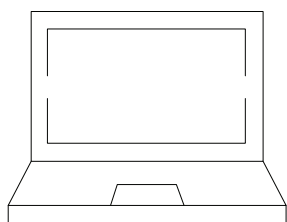
Laptop

Software USB Drive
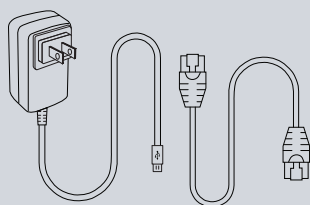
Option 2: Power Adapter
and Ethernet Cable

Option 1: 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.

Plug AC power cord into AC power adapter.
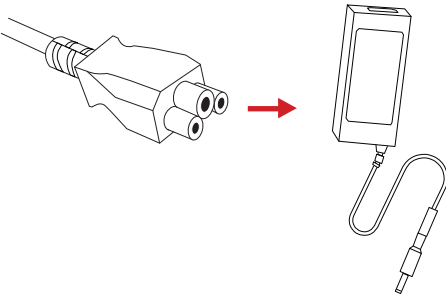
B.

Plug power adapter into laptop.
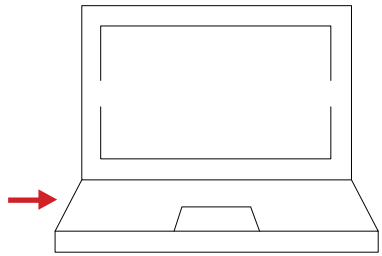
C.

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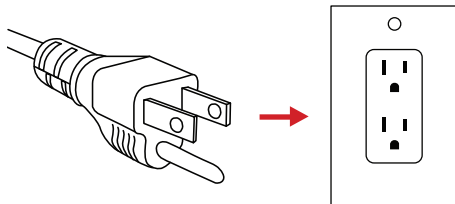
D.

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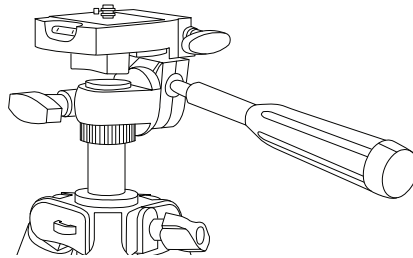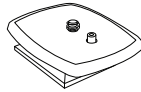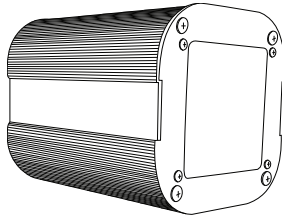
E.

Plug power cord
into Temperature Reference.
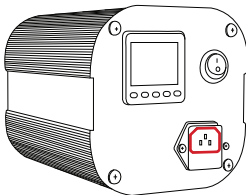
F.

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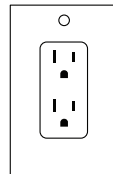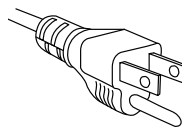
G.

Mount the FMX Series IR Camera to a tripod using the ¼-20 mount.

H.
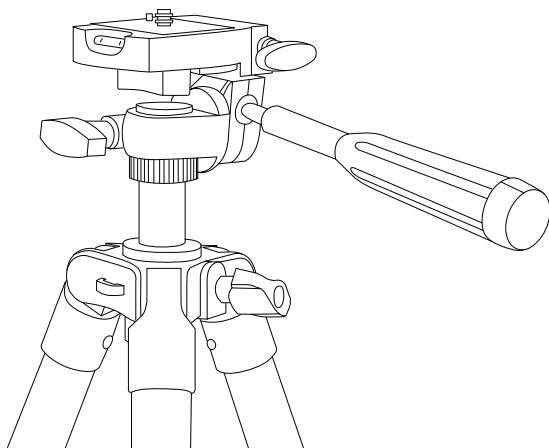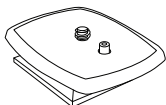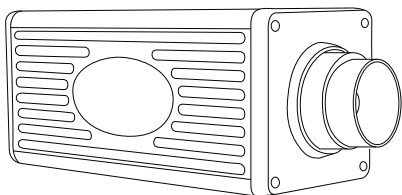
Plug Mirco-USB end of the combo cable into the 5V DC port on the back of the FMX Series IR Camera.
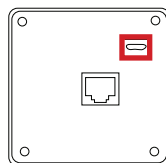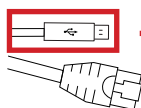
MAKE SURE TRIPODS DO NOT BLOCK THE DIRECT PATH OF PERSON(S) TO BE IMAGED TO ENSURE THE EQUIPMENT WILL NOT BE MOVED OR KNOCKED DOWN. USING A DIVIDING BARRIER WILL HELP KEEP TRIPODS SEPARATE FROM THE PATH.

I.

Plug the Ethernet combo cable (same side as the Micro-USB) into the FMX Series IR Camera Ethernet port.
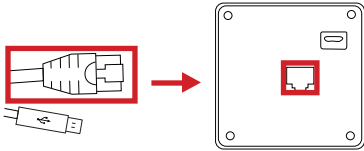
J.

Plug the other end of the Ethernet cable into the Ethernet port of the laptop computer.
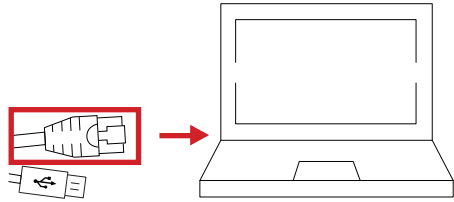
K

Plug USB into an open USB port of the laptop computer.
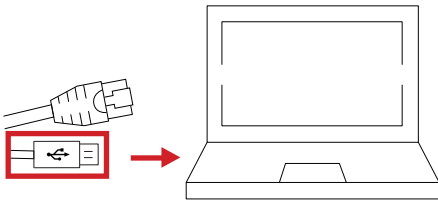
L.

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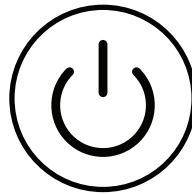
ALLOW AT LEAST 45 MINUTES FOR THE TEMPERATURE REFERENCE SOURCE TO WARM UP. THIS WILL PROVIDE THE MOST ACCURATE SKIN TEMPERATURE MEASUREMENTS.

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.

Option 2: Set up

SOME FMX SERIES IR CAMERA PACKAGES WILL COME WITH A POWER ADAPTER AND ETHERNET CABLE INSTEAD OF A COMBO CORD. FOLLOW STEPS A-G FOR OPTION ONE SETUP BEFORE CONTINUING WITH THE FOLLOWING STEPS.

H.

Plug the Ethernet cable into the FMX Series IR Camera Ethernet port.
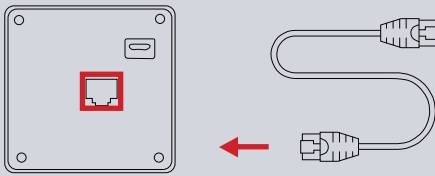
I.

Plug the other end of the Ethernet cable into the Ethernet port of the laptop computer.

J.
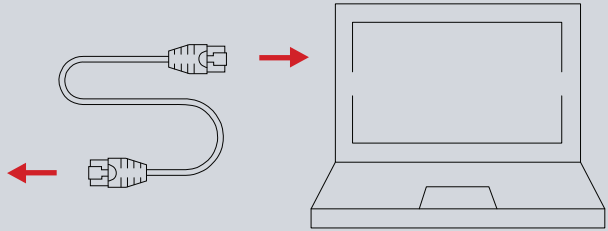
Plug Mirco-USB end of the combo cable into the 5V DC port on back of FMX Series IR Camera.
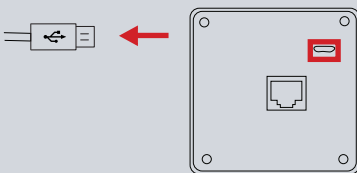
K.

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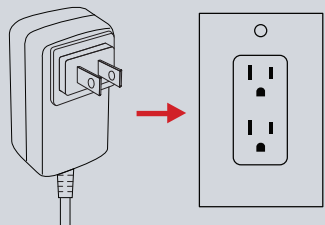
L.

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.

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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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.