

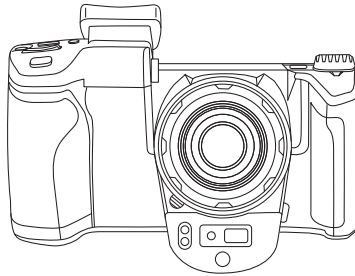
# ICI

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INFRARED CAMERAS INC

## I-CAM 380/I-CAM 640 SERIES

### QUICK START GUIDE



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](http://infraredcameras.com)  
[support@infraredcameras.com](mailto:support@infraredcameras.com)  
We Are IR <sup>TM</sup>

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2105 W. Cardinal Dr.  
Beaumont, TX 77705  
(866) 861-0788  
[www.infraredcameras.com](http://www.infraredcameras.com)

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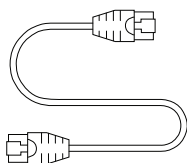
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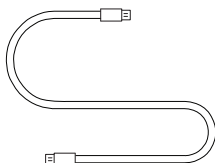
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## Package Includes

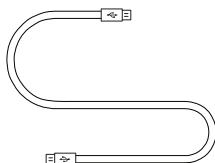
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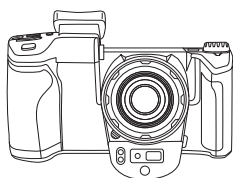
Ethernet Cable



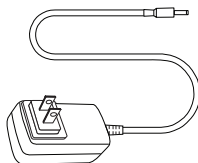
HDMI Cable



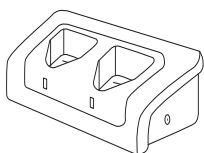
USB Cable



I-Cam Device



Power Adapter



Charging Base



Battery x2



SD Card

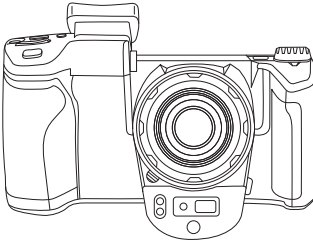
**ENSURE ALL SYSTEM EQUIPMENT AND COMPONENT ITEMS ARE PRESENT BEFORE BEGINNING INSTALLATION**

## Set Up

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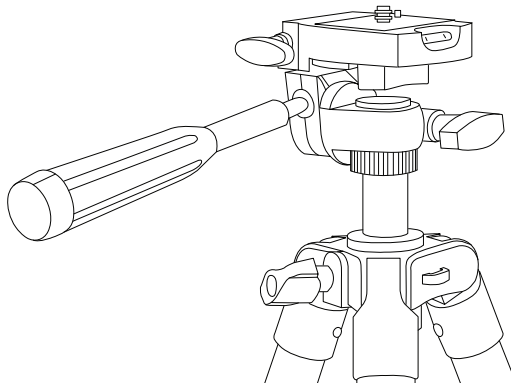
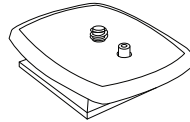
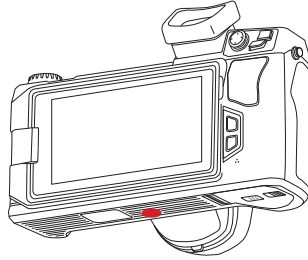
A.

The camera can be used as a handheld device.



or

Mount the fully charged device to a tripod using the  $\frac{1}{4}$ "-20 mount located on the body.



**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.**

**TURN ON THE CAMERA BY PRESSING AND HOLDING THE POWER BUTTON FOR AT LEAST TWO SECONDS.**

**B.**

Power on device.



**PRESS AND HOLD THE POWER BUTTON FOR MORE THAN 5 SECONDS TO SHUT DOWN THE CAMERA.**

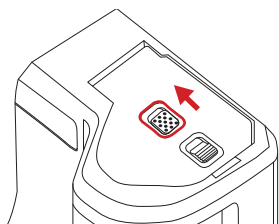
**THE THERMAL IMAGER NEEDS SUFFICIENT WARM-UP TIME FOR THE MOST ACCURATE TEMPERATURE MEASUREMENTS AND BEST IMAGE QUALITY. THIS TIME CAN OFTEN VARY BY ENVIRONMENTAL CONDITIONS. IT IS BEST TO WAIT A MINIMUM OF 10 MINUTES FOR THE DEVICE TO COMPLETELY WARM-UP.**

# Battery Installation

**MAKE SURE TO HOLD THE CAMERA FIRMLY IN BOTH HANDS WHEN REMOVING OR REPLACING THE BATTERY.**

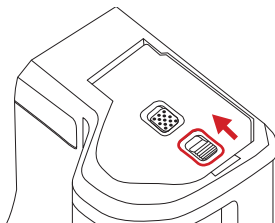
**A.**

Slide the battery bay latch lock.



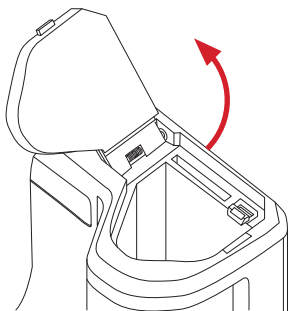
**B.**

Slide the battery bay cover latch.



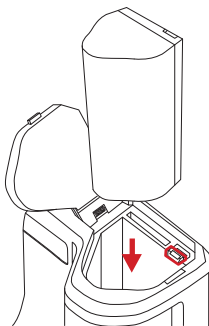
**C.**

Open the battery bay cover.



**D.**

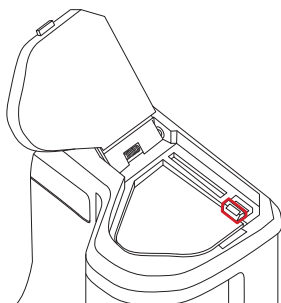
Ensure metal contacts are aligned; then, push the battery into the battery bay until battery is secure under battery buckle.



**DO NOT FORCE THE BATTERY INTO THE BATTERY BAY. IF USER FEELS SIGNIFICANT RESISTANCE REMOVE THE BATTERY AND ENSURE METAL CONTACTS ARE ALIGNED BEFORE TRYING TO PLACE BATTERY INTO THE BATTERY BAY.**

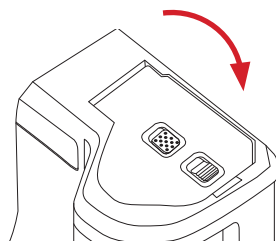
E.

To replace a battery held in the battery bay push the battery buckle. Battery will be ejected.



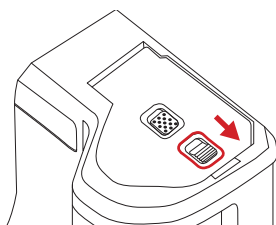
F.

Close the battery bay.



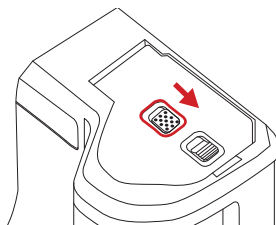
G.

Slide the battery bay latch to secure the battery bay cover.



H.

For extra security slide the battery bay latch lock.



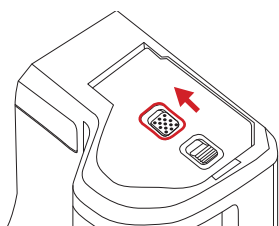
**ENSURE BATTERY COVER IS PROPERLY CLOSED. IMPROPER CLOSURE OF BATTERY COVER MAY EXPOSE THE BATTERY AND INTERNAL ELECTRONICS TO ELEMENTAL DAMAGE.**

## Memory Card

**MAKE SURE TO HOLD THE CAMERA FIRMLY IN BOTH HANDS WHEN REMOVING OR REPLACING THE MEMORY CARD.**

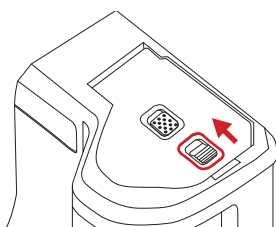
**A.**

Slide the battery bay latch lock.



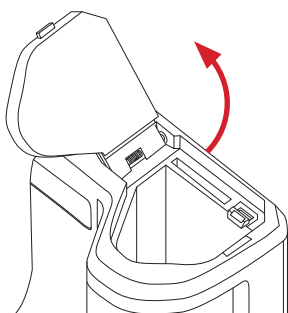
**B.**

Slide the battery bay cover latch.



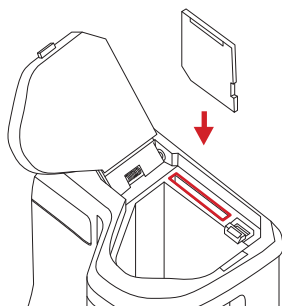
**C.**

Open the battery bay cover.



**D.**

Insert the SD Card into the card bay until a clicking sound is heard.

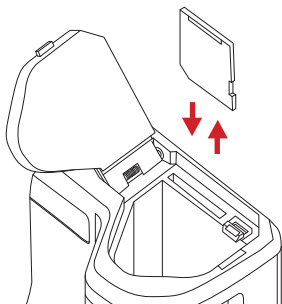


**DO NOT FORCE SD CARD INTO THE SLOT. THE SIDE OF THE CARD WITH CONTACT PINS MUST BE INSERTED FIRST. IF THERE IS RESISTANCE FLIP THE CARD AROUND AND TRY AGAIN.**



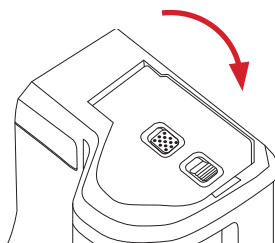
E.

Replace a memory card by pressing downwards on the memory card until a clicking sound is heard; then, release. Memory card will be ejected.



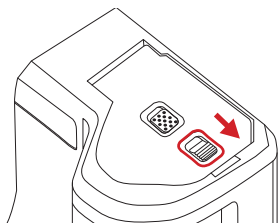
F.

Close the battery bay.



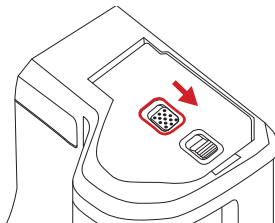
G.

Slide the battery bay latch to secure the battery bay cover.



H.

For extra security slide the battery bay latch lock.



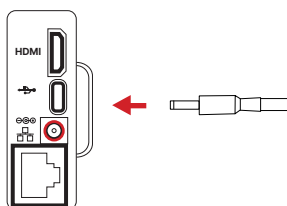
**ENSURE BATTERY COVER IS PROPERLY CLOSED. IMPROPER CLOSURE OF BATTERY COVER MAY EXPOSE THE BATTERY AND INTERNAL ELECTRONICS TO ELEMENTAL DAMAGE.**

## Charging Instructions: Option 1

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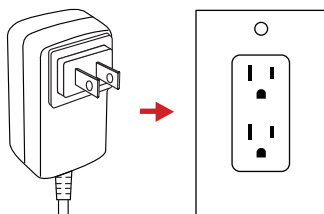
A.

While a battery is inside the device, plug the jack end of the power adapter into the device.



B.

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



**CHARGE THE BATTERY FOR A MINIMUM OF 3 HOURS BEFORE USING THE DEVICE.**

**ICI DOES NOT RECOMMEND CHARGING THE DEVICE WHILE IT IS ON A TRIPOD. LAY DEVICE FACE DOWN ON A FLAT AND STABLE DESK OR TABLE WHILE CHARGING.**

**ENSURE THE IMAGER IS NEAR ROOM TEMPERATURE BEFORE CHARGING THE DEVICE. DO NOT CHARGE IN EXTREMELY HOT OR COLD AREAS. THE BATTERY CAPACITY MAY BE DECREASED IF CHARGED IN AN EXTREME TEMPERATURE ENVIRONMENT.**

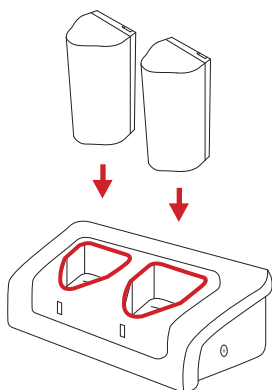
**IF YOU DO NOT USE THE IMAGER FOR A LONG PERIOD OF TIME, PUT THE DEVICE IN A COOL AND DRY ENVIRONMENT. THE BATTERY WILL DISCHARGE OVER TIME; THEREFORE, THE IMAGER SHOULD BE CHARGED OCCASIONALLY TO PREVENT DAMAGE TO THE BATTERY OR THE DEVICE.**

## Charging Instructions: Option 2

**REMOVE THE BATTERIES FROM THE DEVICE BEFORE CONTINUING WITH THIS METHOD OF CHARGING.**

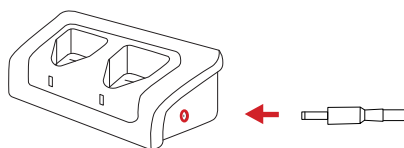
**A.**

Insert batteries into the battery charger.



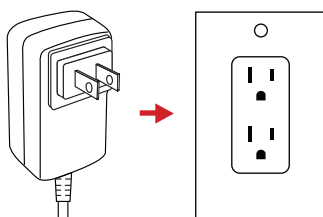
**B.**

Plug the jack end of the power adapter into the battery charger.



**B.**

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



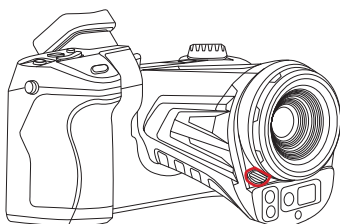
**WHEN THE BATTERY IS NOT PLACED IN THE CHARGER THE INDICATOR LIGHT FLASHES. THE LIGHT TURNS RED WHEN THE BATTERY IS PLACED AND CHARGING. WHEN THE BATTERY IS FULLY CHARGED THE LIGHT TURNS GREEN.**

## Lens Installation

**MAKE SURE TO HOLD THE CAMERA FIRMLY IN BOTH HANDS WHEN CHANGING THE LENS.**

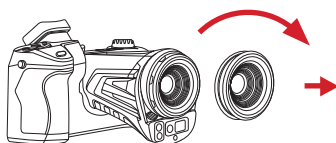
**A.**

Press the lens changing button.



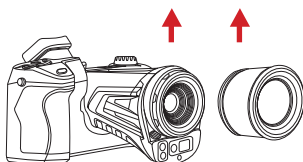
**B.**

Rotate the attached lens clockwise to remove.



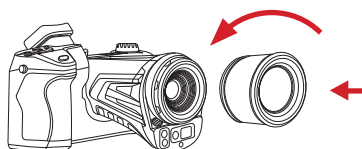
**C.**

Align the lens threads with the U-shaped notch upwards.



**D.**

Rotate the lens counter clockwise until a clicking sound is heard.



**DO NOT FORCE LENS INTO THE SLOT AS THREADS MAY STRIP. IF USER FEELS SIGNIFICANT RESISTANCE REMOVE THE LENS AND ENSURE U-SHAPED NOTCH IS UPWARDS AND THREADS ARE ALIGNED; THEN, TURN THE LENS COUNTER CLOCKWISE.**

**PLACE THE LENS IN ITS LENS CONTAINER WHEN NOT IN USE TO AVOID DAMAGE TO THE LENS. AVOID DROPPING OR SMASHING THE LENS TO AVOID LENS DAMAGE.**

## About ICI / Contact

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Infrared Cameras, Inc.  
2105 W. Cardinal Dr.  
Beaumont, TX 77705

Phone: (409) 861-0788 | Toll Free: (866) 861-0788 | International: (409) 861-0788

General Inquiry: [support@infraredcameras.com](mailto:support@infraredcameras.com)

Website: [www.infraredcameras.com](http://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.