Reveal

THERMAL IMAGING CAMERA BUILT FOR THE FIELD

KEY CAMERA SPECS

- 206 x 156 Thermal Sensor
- 36°Field of View
- -40°F to 626°F Detection Range
- 500 ft Distance
- € **₩** Works Day & Night
- 300 Lumen LED Flashlight



thermal.com



With powerful thermal technology and rugged design, the standalone Seek Reveal handheld thermal imager combines a 206x156 sensor, a rechargeable battery that lasts more than 10 hours, and a large color display into an all-in-one durable device. Reveal's advanced technology lets you see thermal images day or night so you can see sources of heat even in an unlit room or crawl space. And when you need it, Reveal's powerful 300-lumen LED light makes sure you can see all around you, wherever you are. You can count on its durable, rubberized casing and intuitive controls to go to work where you do.

Designed and Manufactured in Santa Barbara, California with Global Components.

Product Name:	Seek Reveal
Available Date:	October 2015
Product Type:	Thermal Imaging Camera
Seek Reveal Color: Blue	UPC: 855753005242 Part Number: RW-AAA
COIOI. Dide	rait Nullibel. KW AAA

Single Unit	
Included in the box:	Seek Reveal Wrist Lanyard Welcome Guide MicroSD Card & USB Cable
Device Dimensions (H x W x D)	5 x 2.4 x 1.2 inches
Device Weight:	6.25 ounces
Box Dimensions (H x W x D)	6.25 x 3.75 x 3.25 inches
Box Weight:	18.5 ounces
Master Pack	
Included in the Master Pack	50 Units
Master Pack Dimensions	20 x 15 x 18 inches
Master Pack Weight	58 pounds

KEY FEATURES

Easy-to-Use Indoor Versatility

Wide, 36° field of view quickly scans the inside of any room

High-Performance Thermal Sensor

206 x 156 thermal sensor accurately identifies heat signatures

Best-in-Class Temperature Range

Measure temperatures from -40° to 626°F (-40° to 330°C)

Long-Lasting Rechargeable Battery

Up to 10 hours of continuous thermal imaging on a single charge

See Through the Dark. Light Optional.

300 lumen LED flashlight available at the touch of a button

Intuitive Software

Continuous feature enhancements keep innovation at your fingertips

BENEFITS & USES

Durable, All-In-One Device

Rugged, rubberized casing and intuitive controls to go and work where you do

Easily Monitor Home and Building Efficiency

Quickly spot energy loss and HVAC issues

Accurately Inspect Mechanical and Electrical Equipment

Diagnose and assess the problem source quickly

Time of Day Won't Slow You Down

Safely examine any job site in daylight or total darkness

Keep An Eye on Things—Even Those You Can't See

It's a lot easier to stay safe when you can see in the dark

Document Your Thermal Discoveries

Save thermal images directly to the included MicroSD card



TECHNICAL SUMMARY

SPECIFICATIONS	DESCRIPTION
Thermal Sensor	206 x 156
Detection Distance	500 Feet (165 Yards, 150 Meters)
Field of View	36 Degree FOV
Temperature Range	-40°F to 626°F (-40°C to 330°C)
Frame Rate	< 9 Hz
Flashlight	300 Lumen LED
Focus	Fixed Focus
Lens Material	Chalcogenide
Microbolometer	Vanadium Oxide
Pixel Pitch	12 Microns
Spectral Range	7.5 – 14 Microns
User Interface	Self-Contained Device with 3 Button Navigation
Temp. Display Scale	Fahrenheit or Celsius
Color Palettes	7 Options
Storage Media	MicroSD Card Included
Battery	Up to 10 Hours Continuous Thermal Imaging

For support and user guides visit **support.thermal.com**

KEY SPECIFICATIONS



206 X 156 Thermal Sensor



of View

-40 to 626°F Detection Range



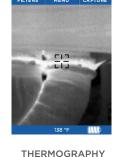
500 ft Distance



USER INTERFACE







Displays a non-contact



High-powered 300 lumen LED light with

FLASHLIGHT

Capture and save thermal images directly to the temperature reading included MicroSD Card wherever you aim

COMMAND INFRARED AND VISIBLE LIGHT

programmable brightness

BUILT FOR THE FIELD



Life can get pretty dirty. So Reveal can, too. You can count on its rugged, rubberized casing and intuitive controls to go and work where you do—no matter what conditions you face



Seek Reveal combines powerful thermal insight and a high-performance LED flashlight in one durable device.

Learn more at thermal.com

PRODUCT ASSETS

















Seek more at thermal.com

111 Castilian Drive, Santa Barbara, CA 93117 USA

Reveal Series User Manual



Welcome to the Reveal Series. Let's take a few minutes to quickly walk through the basics and learn how to use your device.



Reveal



Available with 9Hz frame rate or ≥15Hz (FF).

At a Glance:

- 36º Field Of View
- 400ft detection distance
- 206x156 professional sensor
- 330 Lumen flashlight

Great For:

Accurately and safely inspecting any job site.

Reveal XR



Available with 9Hz frame rate or ≥15Hz (FF).



At a Glance:

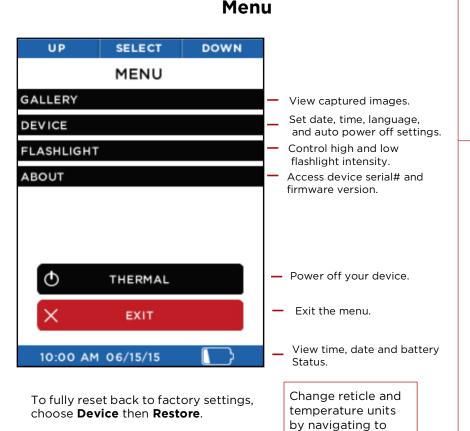
- 20º Field Of View

Great For:

- 900ft detection distance
- 206x156 professional sensor
- 300 Lumen flashlight

Available Colors:

- -Pure Black
- -TrueTimber© Kanati Camouflage



Device → **General**

Hunters, safety and security professionals.

Reveal and RevealXR Fast Frame devices operate at ≥15Hz for smooth scanning on the go.



Navigation

Fast Frame (FF)



RevealPRO User Manual



Welcome to RevealPRO. Let's take a few minutes to quickly walk through the basics and learn how to use your device.



Benefits of Registration:

By sharing your name, email, and serial number, you enable us to send you product updates and tips and techniques. We can also expedite your warranty inquiries by knowing when and where you purchased. Country information helps us to provide better local product support.

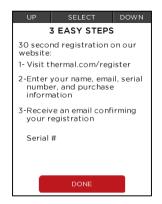
To read our data policy visit:

www.thermal.com/datapolicy

Select

Registration





Visit thermal.com/register to register your product to activate full warranty and service options.

Changing your Registration:

Go to thermal.com and login to make changes to your user account.

Set Date and Time:

Set date, time and language on first startup.





Navigation

Use buttons to navigate through menus.



The left two buttons have a quick navigation dropdown when selected.

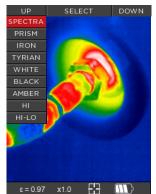


Zoom



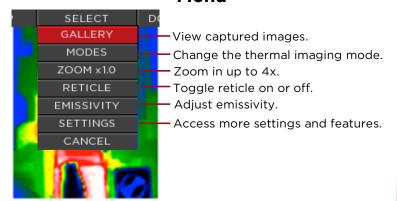
While imaging, press and hold the left button to continuously zoom up to 4X. You can also set the zoom factor manually in settings.

Filters



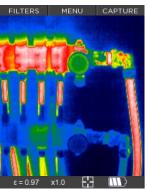
Explore the various filters- from standard grayscale to spectra high contrast.

Menu



Quickly access common settings from the dropdown menu.

Capture



Press the **Up** button to capture images. Hold to capture multiple images.

Modes

Optional, more advanced modes, that display all temperature data for maximum clarity.

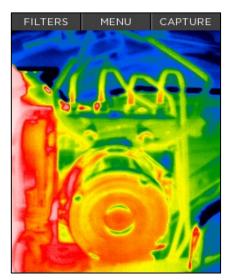




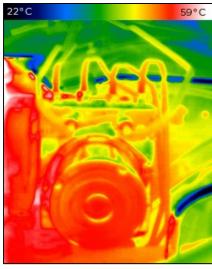


FULLFRAME

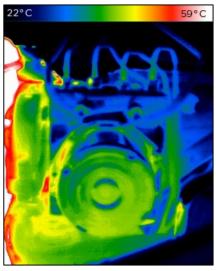




Default mode that maximizes thermal image consistency using auto exposure control.

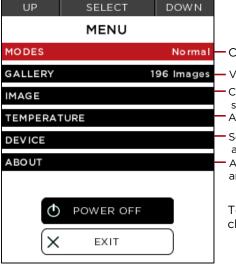


Displays all temperature data for maximum clarity.



Allows you to set and lock a temperature range to display the maximum thermal information of any object or scene.

Settings



Change the thermal imaging mode.

View captured images.

Control zoom, watermark and banner settings.

Adjust units (°C,°F,K), emissivity and reticle.

Set date and time, language, auto power off, and flashlight settings. Access device serial#, firmware version and registration information.

To fully reset back to factory settings, choose Device then Restore.

Thermal Span and Level

Individually adjust Span and Level range to meet your requirements. Choose reset to return to the default range.



EMISSIVITY SEMI-MATTE (ε = 0.80) SEMI-GLOSS (ε = 0.60) GLOSS (ε = 0.30)

Emissivity Control

Emissivity is a material property that defines how much IR light is emitted from a particular surface. Calibrate for emissivity through four pre-defined settings to ensure accurate temperature readings and reporting.

Current emissivity (ε) setting is visible in the lower banner.

ε = 0.97 x1.0

Reticle

Enable the reticle for precise spot temperature readings.



-40 to 626°F (-40 to 330°C) **Detection Range**

