



**PRO-VISION**  
Video Systems

TOUCHLESS IR THERMOMETER  
**INSTALL & USER GUIDE**

[provisionusa.com](http://provisionusa.com)

9/08/2020

Thank you for choosing **PRO-VISION Video Systems!**

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### **MANUFACTURER CONTACT INFORMATION**

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For more information about PRO-VISION and its products, go to [www.provisionusa.com](http://www.provisionusa.com) or call us at (800) 576-1126.

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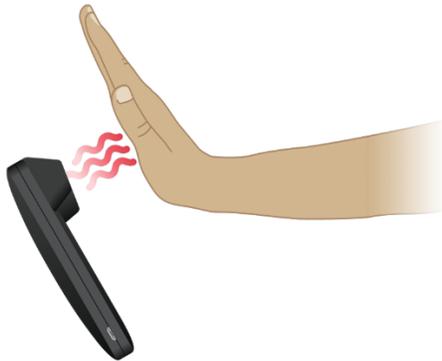
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***Please read this manual carefully before use and keep it for future reference.***

*Understanding this manual prior to installation will greatly reduce the time needed for system installation.*

*Technical support is available Monday thru Friday from 8:00 AM to 5:00 PM EST for questions.*



The touchless IR thermometer can be used to quickly detect potential health hazards with touchless temperature screening on vehicles and building entrances. The unit can be installed permanently or temporarily and can be powered by a wired in harness or the built-in battery.



**Power/Charging**

The unit has a built-in battery that can operate the device for 40+ hours of continuous use or as much as 80+ hours with intermittent use. When the battery is fully depleted, the device can recharge in less than 2.5 hours.

When the unit has a properly connected power/charging cable, a LED light will illuminate next to the display. A red LED indicates that the battery is charging, and green LED indicates the battery is fully charged.



Charging



Charged

**Vehicle Installation:**

The unit includes a wire-in charging harness that supports a 12VDC power input. Connect the red wire to a fused 12V accessory power connection and the black wire to ground. The right angle MicroUSB cable connects to the temperature scanner with the cable exiting towards the bottom of the unit.



**Building Installation:**

The unit includes a USB to MicroUSB cable that can be connected to a USB adapter to constantly keep the device charged/powerd. The USB power adapter must be able to supply 5V 0.5A to keep the device charged.



**Charging:**

When using the unit in applications where power is not accessible, it can be charged using the included USB to MicroUSB cable. The USB power adapter must be able to supply 5V 0.5A to charge the device.



## Mounting

The unit can be mounted in many different configurations, the first important consideration should be how it will be powered.

1. If the unit is intended to be used in a battery powered configuration only, the mounting should include considerations for regular removal for charging.
2. If the device is to be connected to a wired connection, the unit can be mounted in a more permanent manner.

The device includes provisions for mounting with magnets to a metal surface, mounting with adhesive, or mounting with ¼"-20 mounting bracket.



Magnetic Mounting Area



Adhesive Mounting Area



¼"-20 Mounting Thread

1. Magnetic Mounting:

The unit has strong magnets mounted on the rear of the device arranged in a circular pattern as shown above left. The unit can be directly mounted to ferrous metal mounting surfaces using these magnets.

Included with each device is a metal disk and adhesive, these can be used to add a ferrous metal surface for magnetic mounting when the desired location does not have a suitable ferrous metal surface.



2. Adhesive Mounting:

Included with each device is a round foam adhesive pad. This can be used to permanently mount the camera to a surface. Apply the adhesive pad to the rear of the device in the flat area as shown above center. Then mount the device in the desired location. This mounting option should only be used in locations where the device can be connected to a power source.



3. ¼"-20 Mounting Bracket:

The unit includes a mounting bracket that can be attached to the threaded mounting on the rear of the device as shown above right. The mount is threaded into the rear of the device, the locking not on the mount is tightened and then the mount is attached to the mounting surface using the included adhesive.

The mount provides a wide range of adjustment that can be completed after mounting. To adjust, loosen the adjustment knob(s), make the adjustment, and then retightening the knob(s).



## Settings

The unit has multiple configurable options that can be set using the buttons on the side of the device.

### Volume:

To adjust the volume, use the volume controls on the right side of the device. The volume can be adjusted from “15” at the highest to “0” for no sound.

1. Volume Up – Press once to increase the volume by 1, the new volume setting will be displayed (0-15).



2. Volume Down – Press once to decrease the volume by 1, the new volume setting will be displayed (0-15).



### Temperature Units:

The unit can be set to Fahrenheit (F) or Celsius (C) units for temperature display. The default mode is Fahrenheit. To change the temperature units, press and hold the volume up button for 1 second.



### High Temperature Threshold:

The unit has 3 different preset high temperature thresholds that can be set:

- H1:  $\geq 99.0^{\circ}\text{F}$  ( $37.2^{\circ}\text{C}$ )
- H2:  $\geq 99.5^{\circ}\text{F}$  ( $37.5^{\circ}\text{C}$ )
- H3:  $\geq 100.4^{\circ}\text{F}$  ( $38.0^{\circ}\text{C}$ ) – Default

To change between the different temperature thresholds, press and hold the volume down button for 1 second. The new threshold will now be displayed.



*Note: The display will not show decimal readings for temperatures over 100°F because there is not enough space on the display.*

The unit must be powered on and off each day by pressing and holding the power button on the side of the unit for 1 second. Once powered on, the unit will immediately do a startup scan and will display LO/rEAd/rEdo. This indicates the device is now ready for use.



Use:

1. Hold the palm of your hand or your forehead within 4” of the scanner until the scan is complete. The results will display on the screen, if the volume is set above “0” an audible indicator will occur.
  - a. If the scanned temperature was less than 95.0°F (35.0°C), the unit will display LO/rEAd/rEdo” repeating on the screen until another scan is made.



- b. **PASS:** If the scanned temperature was greater than or equal to 95.0°F (35.0°C) but less than the set high temperature threshold, the unit will display “PASS”, then display the temperature reading for 3 seconds. The green LED lights on either side of the scanner will illuminate for 4 seconds after the scan.



- c. **FAIL:** If the scanned temperature was at or above the set high temperature threshold, the unit will display “FAIL” and then display the temperature reading for 7 seconds. The red LED lights on either side of the scanner will illuminate for 8 seconds after the scan.



*Note: The display will not show decimal readings for temperatures over 100°F because there is not enough space on the display.*

2. For vehicle mounted applications or applications not connected to a charging source it is recommended to power off the device at the end of the day to conserve battery life. Fixed building installations with a constantly connected power source do not require the device to be powered off.