



User Manual

CargoVision™

Part#: 77-S211; 77-S267 WHT





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1. INTRODUCTION

The Phillips Connect CargoVision is one of a growing family of sensors and system monitoring products from Phillips Connect used in conjunction with a PCT Gateway and Remote Listener System, or other cloud-based reporting system. CargoVision is designed to provide an uncompromised, on-demand view of the interior of a trailer in 1080P quality.

Simple installation and connectivity to your existing Phillips Connect Trailer Gateway module provides the ability to pre-program image capture events based on motion, door open/closed (if equipped), time-based or web-based image on-demand. Images are uploaded to the cloud for viewing through the Phillips Connect customer portal or automated API feed.

2. GENERAL FEATURES

- Environmental Resistance: IP67
- Operational Temperature: -40C to 70C
- Solar Panel Max Power: 2.7W
- Battery Capacity: 5.3Ah
- Installation Time: ~15 minutes
- Connectivity: BLE 2.4 GHz (to PCT Gateway module)
- Image Quality: 1080P
- Ideal Mounting Location: Top, Rear, Driver's Side of trailer approximately 48" from rear of trailer and 12" from roof
- Mounting Location Tolerance: +/-8" from roof, +/- 24" from rear door
- Flash: High power dispersion lensed IR LED (x2)



Mounting Surface



Interior View (Mounted)



3. SPECIFICATIONS

IMAGE PROPERTIES

Resolution: 1920 x 1080

Field of View: 140°

Flash: 1 second illumination per LED (red and white)

GATEWAY DATA INTERFACE

Bluetooth 4.2

ELECTRICAL

Solar Panel IMP (current @ max power): 0.49A

Solar Panel VMP (voltage @ max power): 5.5V_{DC}

Battery Type: Li-ion, Rechargeable

- Nominal Capacity: 5.3Ah
- Nominal Voltage: 3.7V_{DC}

Battery Performance (from full charge to depletion)

- Up to 800 images
- Operates for up to 400 days while idling

ENVIRONMENTAL

Ingress Protection Rating (External to Trailer): IP67

Operating Temperature: -40°F to +149°F (-40°C to +65°C)

MECHANICAL

Dimensions: 8.55" (H) x 10.14" (W) x 3.30" (D) (217.2mm x 257.6mm x 83.8mm)

Depth on trailer exterior: 0.96" (24.4mm)

Weight: 1.53 lbs. (695.9g)

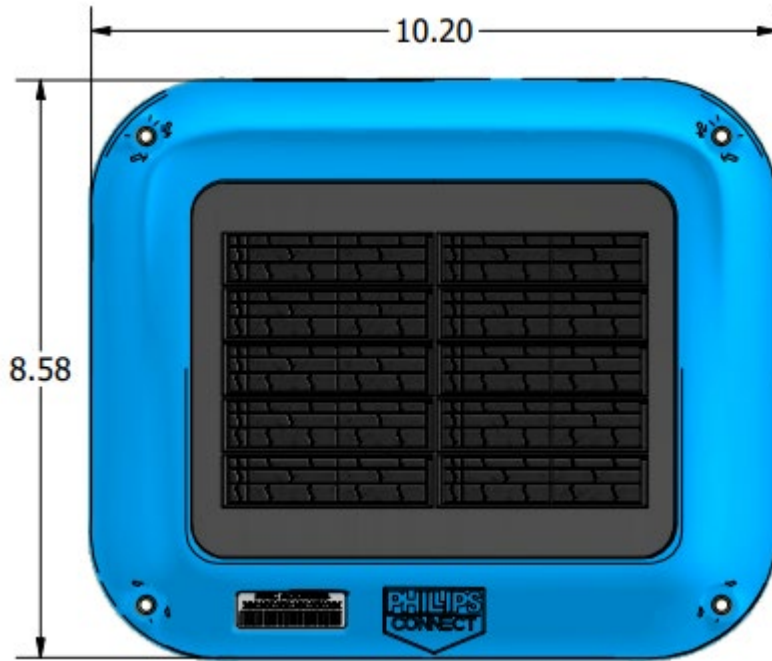
Mounting: 54" from rear of trailer; 5" from roof

Location: Roadside rear of trailer

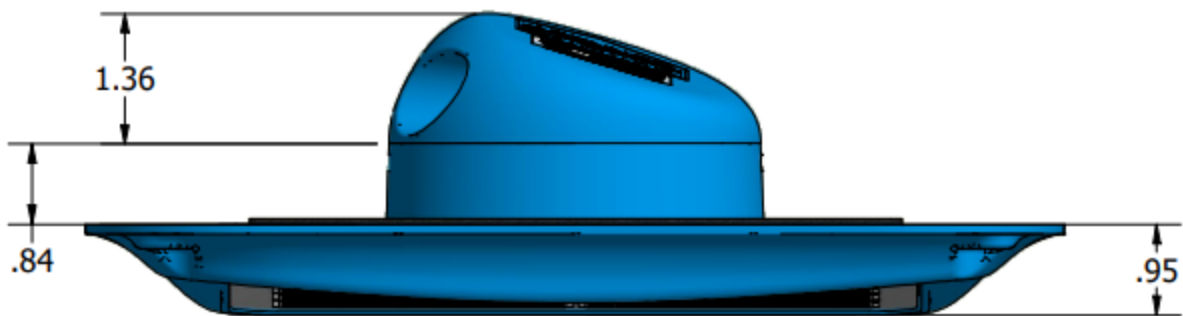


4. MECHANICAL DETAILS

4.1 FRONT/REAR DIMENSIONS



4.2 SIDE DIMENSIONS





FEDERAL COMMUNICATION COMMISSION INTERFERENCE STATEMENT

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

IMPORTANT NOTE: FCC Radiation Exposure Statement

This equipment complies with the FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance **20cm** between the radiator and your body.

The transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.



INDUSTRY CANADA STATEMENT

This device contains license-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's license-exempt RSS(s). operation is subject to the following two conditions:

- (1) This device may not cause interference
- (2) This device must accept any interference, including interference that may cause undesired operation of the device.

L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicable aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes:

- (1) L'appareil ne doit pas produire de brouillage;
- (2) L'appareil doit accepter tout brouillage radioélectrique sub, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Radiation Exposure Statement:

This equipment complies with Canada radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance **20cm** between the radiator and your body.



5. COMPANY INFORMATION

**Technology that
moves us forward**



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