

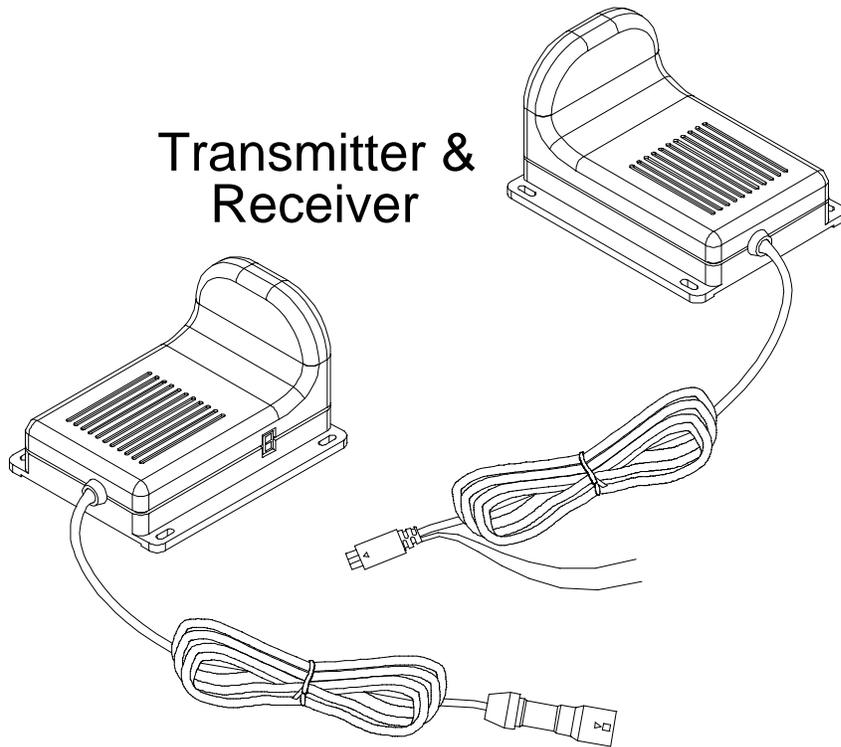
APPENDIX B:

USER'S MANUAL

Voyager[®]

In-Vehicle
Wireless Observation System Kit
Owner's/Installation Manual
WOS-500T & WOS-500R

Transmitter &
Receiver



Audiovox Specialized Applications, LLC
23319 Cooper Drive
Elkhart, IN 46514
(219) 264-3135

Contents:

- 1) WOS-500T Transmitter
- 2) WOS-500R Receiver
- 3) Power Harness with Locking Connector
- 4) Hardware Package

Before Installation:

- This system operates on 12 Volts DC only, negative ground
- For maximum operating range, try to minimize the number of obstacles between the transmitter and receiver
- This system broadcasts high-quality audio and video, using directional antennas that must be orientated in certain configurations for best results. The flat pitted face on the receiver and transmitter have antennas which have been designed to face forward.
- This system is NOT waterproof, and should not be used in wet or high humidity environs, as this can cause system damage or electrical shock.
- Do not stand on this product or place things on this product.

Installation Instructions:

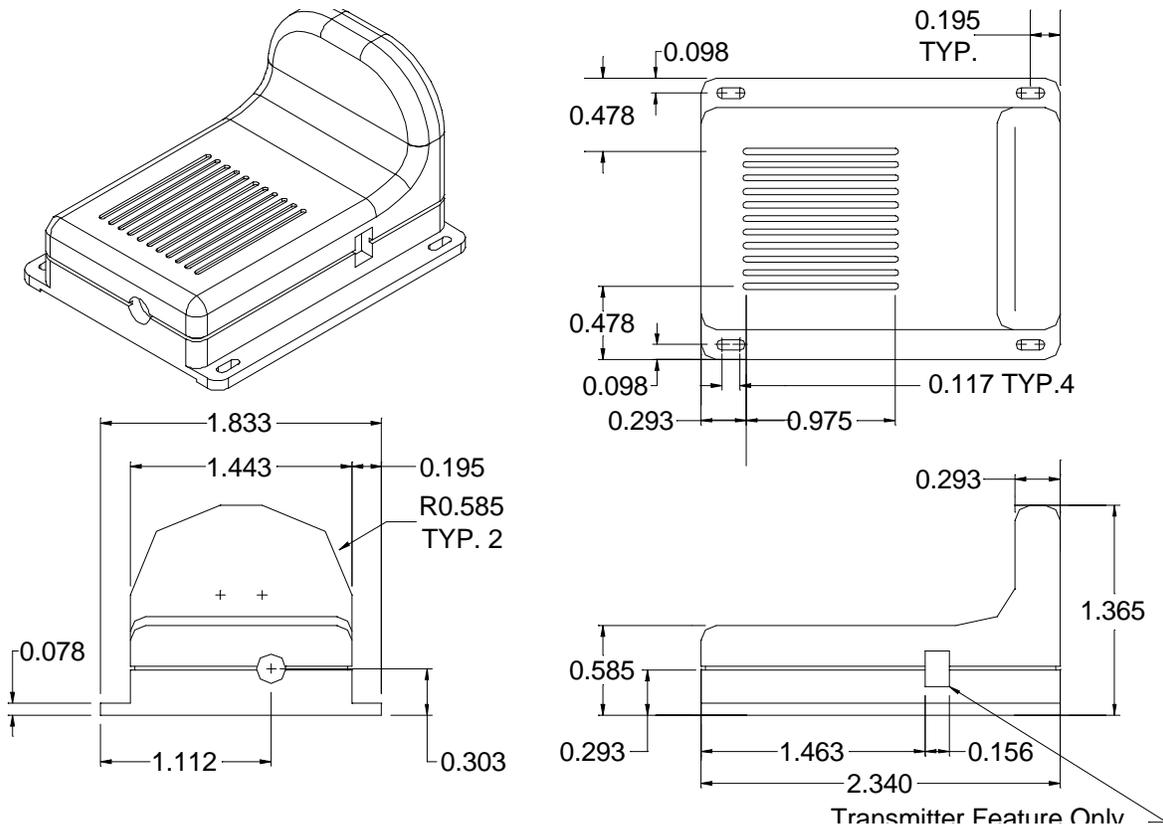
TRANSMITTER

- 1) Insert the power harness connector provided into the DC In socket on the rear panel.
- 2) Position the transmitter near the camera and mount using four of the provided screws.
- 3) Connect the cable of the transmitter and camera.

RECEIVER

- 1) Position the receiver near the monitor and mount using the remaining four provided screws.
- 2) Connect the cable of the receiver to CA1 or CA2 of the monitor.

Receiver and Transmitter Dimensions:



Functions and Operation:

TRANSMITTER

- 1) Directional 2.4GHz antenna sends audio and video signals.
- 2) Power Connection
 - Pin 1 Ground- Black Wire
 - Pin 2 Reverse Circuit +12VDC ignition- Red Wire
- 3) Camera Connection

RECEIVER

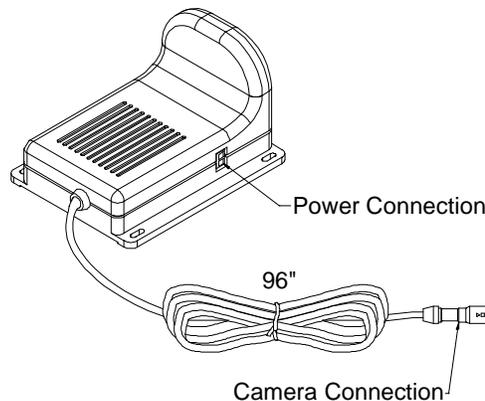
- 1) Directional 2.4GHz antenna receives audio and video signals.
- 2) Monitor connection to AOM75 camera.

Make sure monitor is turned on and reverse gear is in operation to use the system. It may be necessary to move the wireless transmitter and wireless receiver to get the best operating conditions.

Receiver and Transmitter Features:

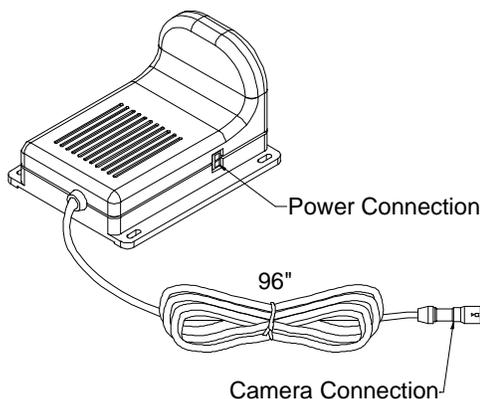
Transmitter View

- Connectable to the AOC75 CDC camera
- 0 dBm Output Level
- Automatic electronic channel provides a memory
- Compact and lightweight design simplifies installation in most vehicles.
- Built-in audio circuit for audio pickup
- Superior quality reception is due to FM rather than AM signal modulation.



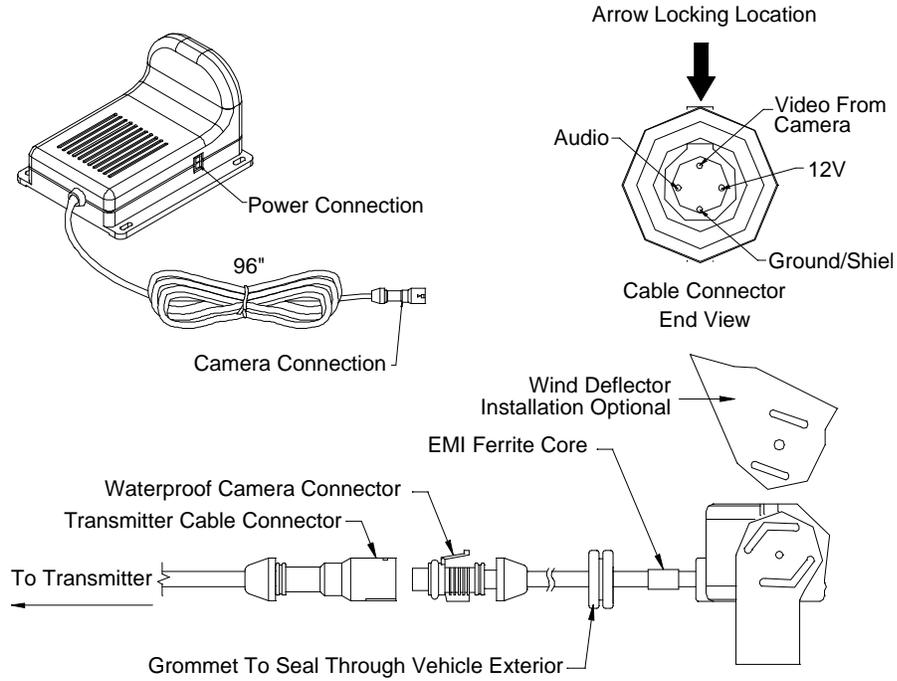
Receiver View

- Adapt high RF technical for EIA. This EIA would be used in the United States, and other countries.
- Connectable with AOM70 Monochrome 7.0" Monitor
- Channel Memory
- Fixed receiving antenna

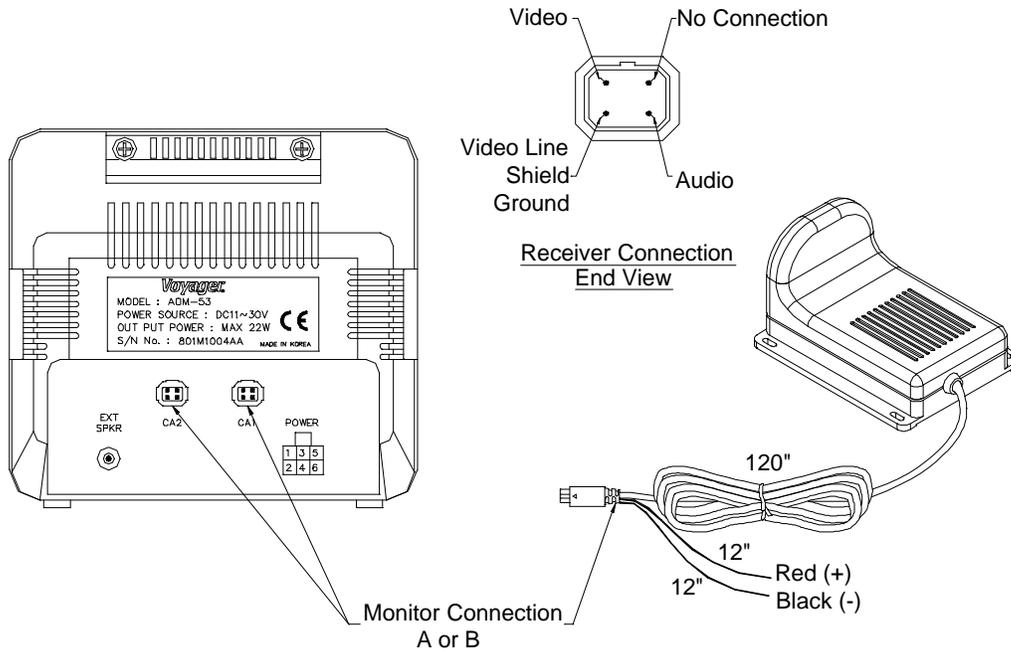


Receiver and Transmitter Connections:

Transmitter connection to camera



Receiver connection to monitor



Specifications:

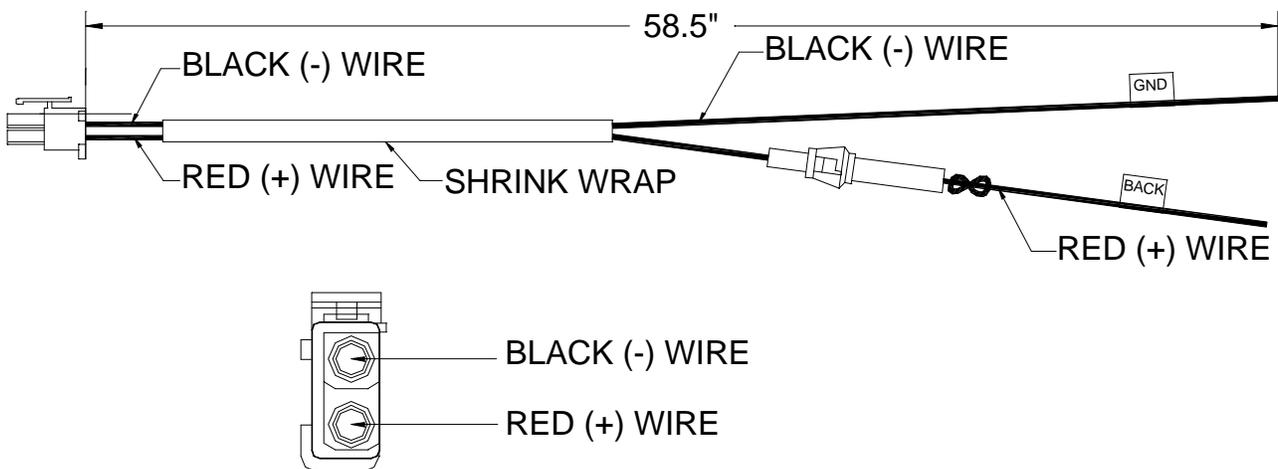
Transmitter

Video Carrier Output Level	0 dBm
Operating Frequency	2410 MHz
Modulation	FM- audio and video
Video Input Level	1 Vp-p
Audio Input Level	1 Vp-p
Power Supply	12VDC, 106mA (without camera)
Dimensions	3.7" W x 4.725" L x 2.165" H
Weight	300g
Camera Device	AOC75 (not supplied)

Receiver

Receiving frequency	2410 MHz
Video Output Level	1 Vp-p
Audio Output Level	0.1 Vrms
Video Carrier Input Level	-75 to -30 mA
Power Supply	12VDC, 320 mA
Dimensions	3.7" W x 4.725" L x 2.165" H
Weight	300g
Monitor Device	AOM70 (not supplied)

Power Harness & Pinout:



Troubleshooting:

If the system does not function properly, check the following points before contacting the service center.

- NO POWER- Power cable not plugged in or improper monitor connection
- POOR RECEPTION- Improper antenna direction
- PICTURE FLICKERING- Strong spotlight in the field of view
- DIM PICTURE, PICTURE TOO BRIGHT OR TOO DARK- Improper brightness control setting on your monitor or lighting source in the field of view
- PICTURE SMALLER THAN SCREEN- Car battery voltage may be too low

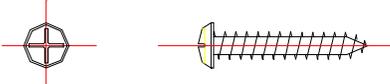
Caution:

The Voyager Wireless System (WOS500) has been designed to provide years of trouble free operation. To prevent fire or shock hazard, do not expose this product to rain or moisture. Do not use near a bathtub, sink, or laundry tub. This product is not for use in a wet basement or in or around a swimming pool. To avoid electrical shock, operate this product using only a 12VDC power supply. The servicing of this product should be left to qualified personnel only. Changes or modifications that were not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. Be sure only one receiver is connected to one monitor.

Maintenance:

- Remove dust and dirt with a damp soft cloth.
- Heavier dirt should be removed with a damp cloth and a mild detergent.
- Do not use strong cleaning agents containing gasoline, thinner, benzene or alcohol.

Hardware Package Contents:

Quantity	
8	
Screw, #4 x 3/4" Pan Head Phillips, Self-Drilling	

