



10" QUAD MONITOR AHD WIRELESS CAMERA SYSTEM

VWIC108-HDWL Owners Manual

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QUALITY | AFFORDABLE | DURABLE



WARRANTY INFORMATION



Thank you for purchasing a Visionworks camera system. We have taken great care to provide you with a top-quality product. Visionworks comes with a one-year warranty (from the date of purchase) that covers defective materials or workmanship, as long as no wiring or parts are modified in any manner. If our product is found to be modified the warranty will be nullified. The camera has a three-year warranty if you register on our website. Please go to visionworkscameras.com and click on "Warranty Registration" or use the QR Code to increase your warranty from one year to three years.

RETURN POLICY

No merchandise should be returned to Visionworks for credit unless accompanied by a return authorization number from our company. You will receive credit for the full amount of the return if the merchandise is returned within 30 days of the invoice date. Any merchandise that is not returned within 30 days of the invoice date is subject to a restocking fee of 15%. Contact your Visionworks dealer for return information.

Merchandise that has been special ordered cannot be returned for credit. Non-stock items returned for credit will be subject to vendor's return policy.

To avoid electrical shock and maintain optimal functionality, do not open the enclosures. High voltage may be present and there are no user serviceable parts inside. All warranties will be void should any enclosures be tampered with in any way.

To prevent short circuit, make sure that the system is not plugged in or receiving power while making system connections. In the event of a system short circuit, replacement of the 3A fuse will be required. Fuses are located under the threaded tip of the cigarette lighter, and inside the threaded barrel section of the RED 12 volt supply wire. Replacement fuses are not included with this kit.

To ensure that you do not drain your battery, please disconnect the cigarette adaptor when not in use.

The camera is completely weatherproof, but the monitor is NOT and should NOT be exposed to water. Please ask about weatherproof monitors if you do not have a weatherproof cab.

SAFETY & IMPORTANT INFORMATION

WHAT'S INCLUDED

Identify your parts and find out what is included in your Visionworks camera system.



Fig 1.

Wireless Camera &
Antenna



Fig 2.

Camera Magnet



Fig 3.

Camera Mounting
Hardware



Fig 4.

Receiver package &
Hardwiring Cables



Fig 5.

10" AHD Monitor



Fig 6.

Monitor Mounting
Brackets



Fig 7

Main Harness &
Power Cable



Fig 8.

Cigarette Lighter
Adapter



Fig 9.

Remote

Model	Resolution	Viewing Angle	Lens
Sony	1080p AHD Resolution	90 Degree	3.6 mm

Weatherproof Rating	Low Temp. Rating	Connection Type
IP68	-20 C -4 F	4 Pin

CAMERA SPECS

Model	10"	Audio & Video	8 video/8 audio input (various camera viewing options)
Screen Size	10.1 inches		
Aspect Ratio	16:9		
Luminance	500 cd/md2		
Resolution	1024 x 600		
Language	Multi-Language		
Mount Type	U-Type		
Sunshade	Not-Removable	System	PAL & NTSC automatically
Voltage	12V-24V	OSD Menu	Display Menu, Brightness, Color, Contrast Adjustable

MONITOR SPECS

Built-in Recording	Yes (up to 128 GB SD Card)
Mode	Full 2/3/4 images adjustable
Set Up	Mirror for individual image, can set reserve trigger delay in settings

CAMERA ASSEMBLY



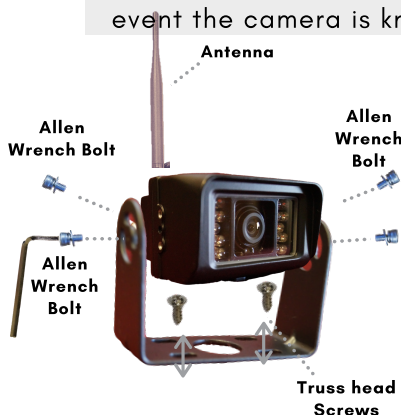
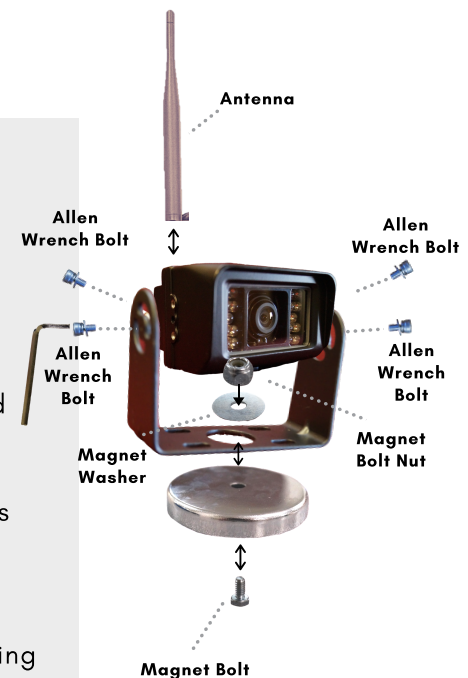
Fig 1. Fig 2. Fig 3.

TEMPORARY MOUNTING

- 1 - ScREW in the antenna provided into the back of the camera.
- 2 - Remove flat washer and nut on magnet assembly. Position and align center hole of camera and bracket assembly on top of magnet.
- 3 - Install bolt from underside of magnet and secure with flat washer and nut. Tighten this connection.

- 4 - Secure camera and set viewing angle with the four allen wrench bolts (inside camera mounting hardware). You can always adjust your camera viewing angle later.

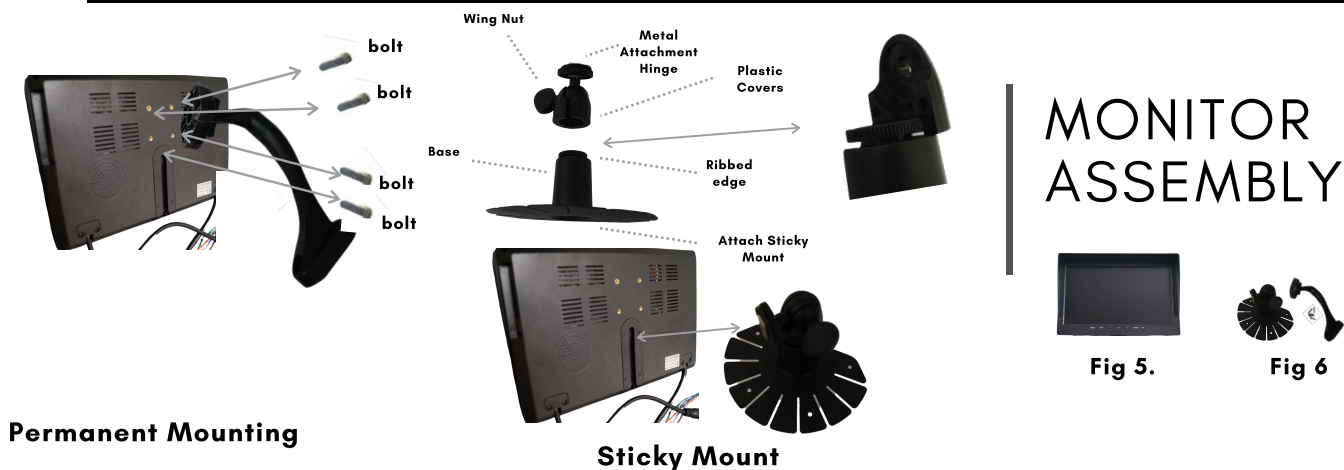
Tip: Although the magnet contains 65lb pull force, we recommend mounting your camera on a flat surface to minimize vibration. Sometimes a zip tie can be used in addition to fasten the camera as a preventative measure in the event the camera is knocked off.



PERMANENT MOUNTING

For permanent mounting, it is recommended that you remove the magnet and attach the camera bracket to any flat surface with the two truss head screws provided in the kit (inside camera mounting hardware).

Secure camera and set viewing angle with the four allen wrench bolts (inside camera mounting hardware). You can always adjust your camera viewing angle later.



MONITOR ASSEMBLY

Before assembling and mounting your monitor please consider a location for your monitor that is out of direct sunlight (to prolong the life of your monitor and for optimal viewing) and a spot that does not obstruct your view.

Permanent Mounting

Use the four bolts provided to secure the mount to the back of the monitor.

Sticky Mount

We do not recommend using the sticky mount unless you have a flat surface for mounting.

1 - Assembly sticky mount by loosening wing nut entirely and snapping in the plastic covers under the ribbed edges of the base. Tighten the wing nut back on once your plastic covers are secure to the base.

2 - Secure your sticky pad to the base and attach your metal hinge to the back of your monitor by loosening the wing nut and tightening once it is in the desired position.

INSTALLATION INSTRUCTIONS

Please follow all directions listed below. Make sure you have mounted your camera and your monitor (using the previous directions) before beginning step #1.

STEP #1: CONNECT MONITOR TO HARNESS

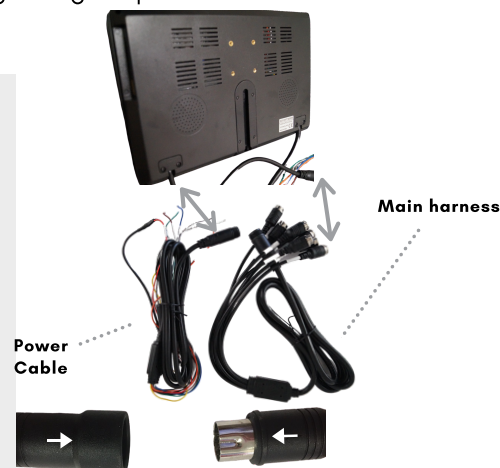
Connect the monitor cable harness on the left to the power cable. Ensure arrows are aligned on outer jacket of cable ends. Turn black cable connector nut clockwise to secure connection of the cables. Additionally, connect the right monitor cable harness to the main harness (IF YOU BEND THE PINS FOR EITHER CONNECTION IT VOIDS THE WARRANTY).



Fig 5.



Fig 7.



STEP #2: CONNECT HARNESS TO WIRELESS RECEIVER

Screw on the wireless receiver antenna and then connect the receiver harness to your C1 harness camera input. Ensure arrows are aligned on outer jacket of cable ends. Turn silver cable connector nut clockwise to secure the connection of the cables (IF YOU BEND THE PINS IT VOIDS THE WARRANTY). Do not over tighten.

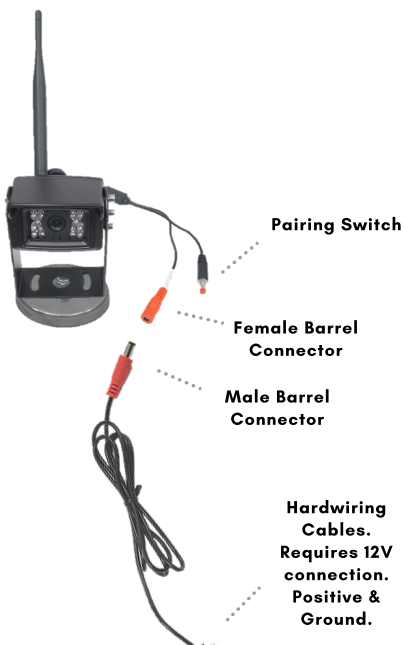
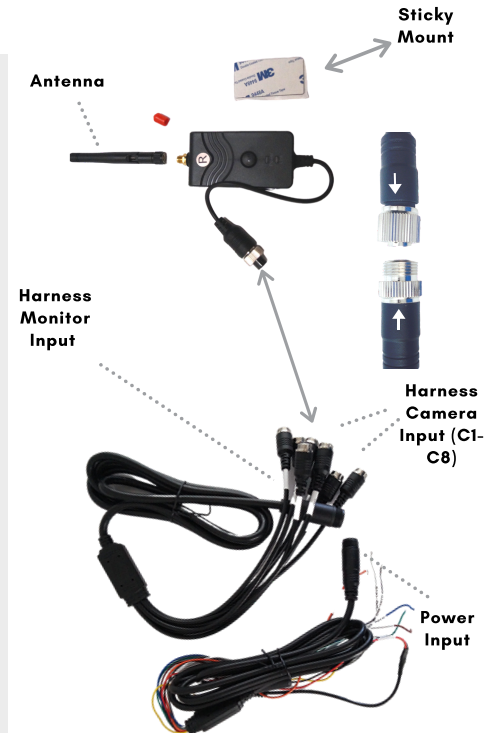
Make sure your receiver is positioned with a clear line of sight to your camera. The sticky mount should be used for indoor mounting only. We recommend securing your receiver down with additional zip ties for outdoor mounting. Extension cables may need to be purchased to obtain a clear line of sight to improve your signal connection.



Fig 4.



Fig 7.



STEP #3: POWERING YOUR WIRELESS CAMERA

Permanently or temporarily mount your camera in your preferred location. Make sure your mounted camera has a clear line of sight to your receiver within 400 ft.

Connect the female barrel connector on the camera to the male barrel connector on the hardwiring cables as shown.

Use the hardwiring cables to tap into an existing power source near the spot where you are mounting your camera. If you are tapping into an existing power supply for the camera, a voltmeter will be necessary to make sure you are getting a minimum voltage of 10.5v so that your camera can operate at maximum efficiency.

If you have more than one camera, repeat step #2 and #3. A common application for the CH2 video feed is for rear view imaging when in reverse. For CH2 video feed for a reverse application, it is common to connect the GREEN wire to the reverse wire on the vehicle.

Fig 1. & 2.
& 3.

Fig 4.

STEP #4: POWER CABLE INSTALLATION

Method #1: Cigarette Lighter Adapter

Your system can be powered by connecting the power cable input to the mating connector of the cigarette lighter adapter. The cigarette lighter adapter can now be installed into a 12VDC power source. To verify that the system is receiving power, cup your hands over the camera lens, and the LED lights will have a red glow.



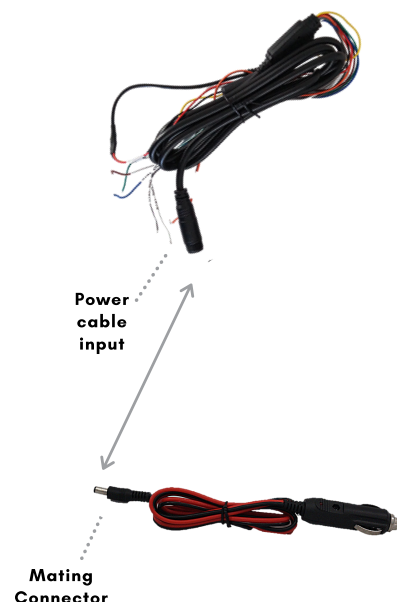
Fig 6.



Fig 8.

Method #2: Hardwiring option

Connect the black wire of harness to ground. Connect the red wire of harness to 12VDC power supply. To verify that the system is receiving power, cup your hands over the camera lens, and the LED lights will have a red glow. The green wire is only used if you want the C2 input to automatically display when the vehicle is put into reverse. If this is your preference please attach this wire to the appropriate connection on your vehicle.



STEP #5: PAIRING YOUR CAMERA WITH YOUR MONITOR

Your system should come pre-paired, but if you lose connection hold down the reset button on your receiver until it lights up green and then hold down the pairing button on the camera for 5 seconds at the same time.



MONITOR & REMOTE OPERATION





MAIN MENU

Use the +/- buttons to scroll between the playback, display, recording, and system settings. Press the "M" button to select.



PLAYBACK MENU

"Channel select" - Allows users to focus viewing options on the channels selected.

"Audio output" - Turns on/off sound for recording playback.

"Video Type" - Allows users to adjust the video output type.

"Search date" - Sets display date for recording playback.

"Start time" - Sets the starting time for recording playback.

"Stop time" - Sets the stop time for recording playback.

"Storage device" - Select storage device between SD card and hard disk.



DISPLAY MENU

"Display Adjustment" - Screen mode is the default setting. You can also select "screen margins" to adjust the margins on camera views. Additionally, if you select "image adjust" you can adjust the brightness, contrast, saturation and hue of each individual camera.

"Channel name" - With this feature, you can rename each individual camera channel.

"Automatic Brightness" - This setting sets automatic brightness on/off.

"Installation Mode" - Set reverse lines for each individual camera view.

"Loop Preview" - Turn on/off loop preview.

"Time Display" - Display the time on the viewing screen.

"Display Mode" - Adjust the screen color, screen outline color, and select/un-select mode viewing options.

"Transparency" - Adjust the screen transparency.



RECORDING MENU

"Channel select" - Allows users to focus viewing options on the channels selected.

"Record Mode" - Select the recording mode to automatic, scheduled, alarm, or a combination of the settings.

"Record Time" - Set the recording times to 5 min, 10 min, 15 min, 20 min, 25 min, or 30 minute increments.

"Encode Setting" - Set recording resolution quality on this feature.

"Print Setting" - Adjust print quality

"Audio" - Turn audio on/off on recordings.

"Image Flip" - Adjust recording screen view to normal, horizontal or 90 degree.

"Flameout delay" - Set a recording delay.



SYSTEM MENU

"Language" - Adjust language

"Power saving mode" - Turn on/off screen power saving mode.

"System Time" - Adjust date, time, daylight savings etc.

"Vehicle Information" - Enter vehicle information and save information.

"User Management" - Set password and user controls

"Storage Management" - View USB drive or hard disk files

"Restore Factory" - Factory reset control.

"System Upgrade" - Upload system upgrade.

"System Information" - Set a recording delay.