Digital Wireless Split Screen Camera System with Cigarette Lighter Adaptor

Product Manual / Installation Instructions

SPLIT SCREEN

Rear View Camera Systems

What's in the Box?

- Split Screen Digital Wireless Monitor With Bracket
- Wireless Backup Camera With Power Cable
- Other Accessories

Table of Contents

INSTALLA TION

- Electric shock or product malfunction may occur if this product is installed incorrectly.

- Use this product within the voltage range specified. Failure to do so can cause electronic shock or product malfunction.

- Take special care when cleaning the monitor.

- Make sure to firmly affix the product before use.

- If smoke or a burning smell is detected, disconnect the system immediately.

- Where the power cable may touch a metal case, cover the cable with a friction tape. A short circuit or disconnected wire may cause a fire.

- While installing the Rear View System be careful with the wire positioning in order to avoid wire damage.

- The Rear View System should only be used when the vehicle is in reverse.

- Do not watch movies or operate the monitor while driving; as it may cause an accident.

- Do not install the monitor where it may obstruct drivers view or obstruct an air bag device.

- Dropping the unit may cause possible mechanical failure.

Before drilling please check that no cable or wiring is on the other side of the wall. Please clamp all wires securely to reduce the possibility of them being damaged while vehicle is in use. Keep all cables away from hot or moving parts and electrical noisy components.

Step 1: Choose the monitor and camera locations.

Step 2: Install all cables in vehicle, when necessary a 0.8 (20mm) hole should be drilled for passing camera cable through vehicles walls. Install split grommets where applicable.

Step 3: Once all cables and wiring have been properly routed and the system has paired, perform a system function test by temporarily connecting the system. If the problem persists see troubleshooting (page 16).
We recommend doing a benchmark test before installation to insure that all components are working properly.
SYSTEM COMES PAIRED.

- But if there is no image on monitor, your system is NOT paired and needs to be paired. (see page 8)

Camera Connection:
- Locate the clearance lights wiring on your vehicle. You may need to remove the interior panel in order to locate. Connect the power cables for camera: Red wire to light's positive; Black wire to chassis ground.
Monitor Connection:
- Firmly insert the lighter plug to cigarette lighter socket. Do not install the monitor where it may obstruct driver's view or obstruct and air bag device.

Cleaning
- If dirt, rain or snow attaches to the camera, the monitor may not clearly display objects.
- Do not use alcohol, benzene or thinner to clean the camera. This will cause discoloration. To clean the camera, wipe with a clean cloth dampened with mild cleaner diluted with water and then wipe with a dry cloth.

Pairing:

Method 1:

1. Use the "[v1v2]" button to select the channel you want to pair to.
2. Press " [M] " to open the menu and press "MENU" again to initiate "pairing mode". Once "pairing mode" is active it will last for 50 seconds.
3. Press the pair button on the back of the camera within the 50 seconds and the camera image will appear on the monitor. The system is paired.
NOTE: Please make sure the camera is receiving power when you pair.

Method 2:

1. Use the "[v1v2]" button to select the channel you want to pair to.
2. Press the "PAIR" and "PAIR"of camera synchronous about 50 seconds and the image will appear on the monitor, the system is paired.

PS: It is not suitable to use method 2 when connect 2 cameras synchronous
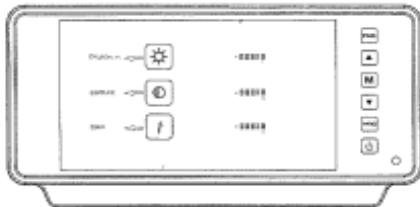
System Operation:

To turn on the monitor, press " [⏻] " button.

To get to Main Menu, press " [M] "

Use the arrow keys to navigate the menu and use the

" [M] " button to confirm your selection.

To go back, press the "[PAIR]" button.

To adjust the volume, use the up and down arrows while viewing the camera
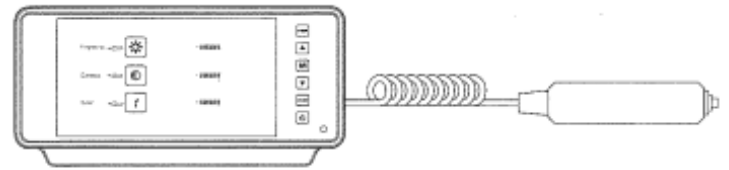
Menu Options:

Image - adjust the image properties
(brightness,contrast,saturation)

Rotate - rotate the image in all four directions
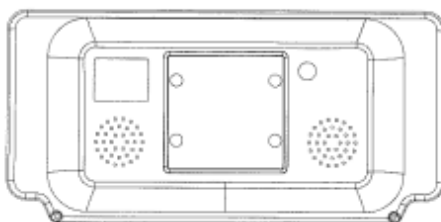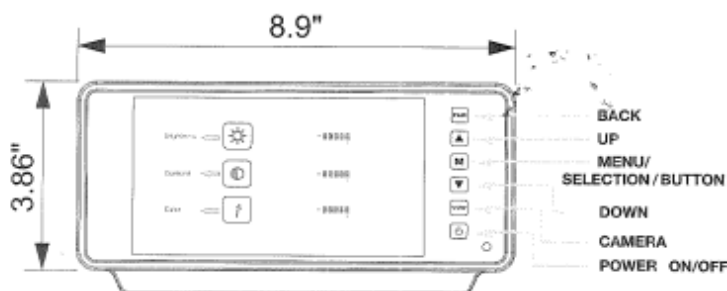
Settings - adjust the grid-lines and the frequency

8.9"

3.86"

BACK
UP
MENU/
SELECTION / BUTTON
DOWN
CAMERA
POWER ON/OFF

TFT LCD Digital Monitor	
Screen Size	7"
Dot Resolution	800H x 3 (RGB) 480v
Display Format	16:9 / 500:1
Display Brightness	400cd/m²
Viewing Angle	U:50° / D:60° / R:70°
Video Input	2 channel
Video Source	1Vp-p, 75Ω
Power Supply	DC 12V(+/- 10%)
Power Consumption	5W
Operating Temperature	-30°C ~ +80° C
Video System	Auto NTSC/PAL
Overall Dimensions	7"L x 5"H x 1"D
Weight	400G
Impact Rating	5G
Dot Pitch	0.192H x 0.1805V
Sync System	Internal
Weight	520g

Camera Dimensions

3.25"

3"
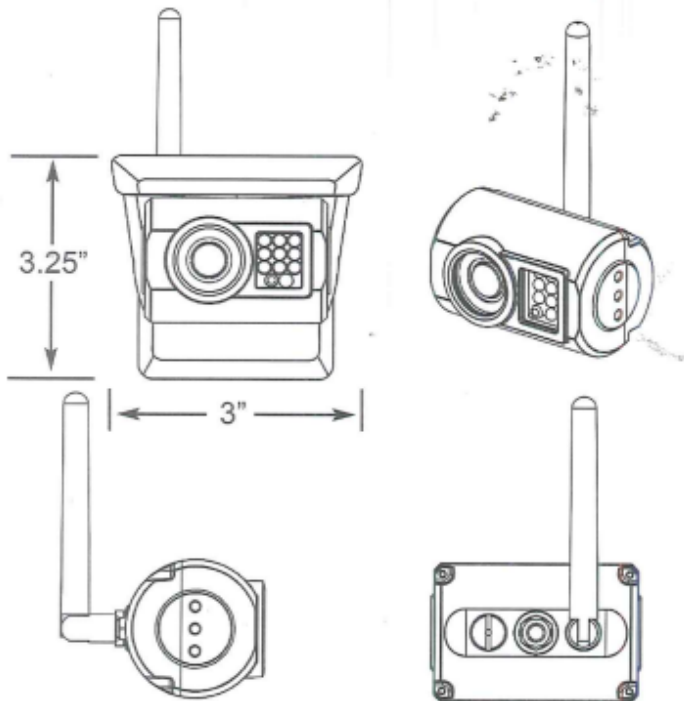
Camera Specifications

Camera	
Gamma Correction	r=0.45 to 1.0
Image Sensor	540TV lines
Lens	2. 5mm
View Angle	120°
Sync System	Internal Synchronization
Infrared distance	50 Feet (9 Infrared)
Usable Illumination	0 Lux (IR On)
Power Source	DC 12V (+/- 10%)
S/N Ratio	More than 48dB
Electronic Iris	1/50, 160-1/100,000sec
Video Output	1Vp.p 75ohm
IR Switch Control	ACDS Automatic Control
Impact Rating	20G Vibration/100G Shock
Operating Temperature	-30°C - +60°C/RH 95% Max
Storage Temperature	-30°C - +60°C/RH 95% Max
Waterproof Rating	IP68

Positioning
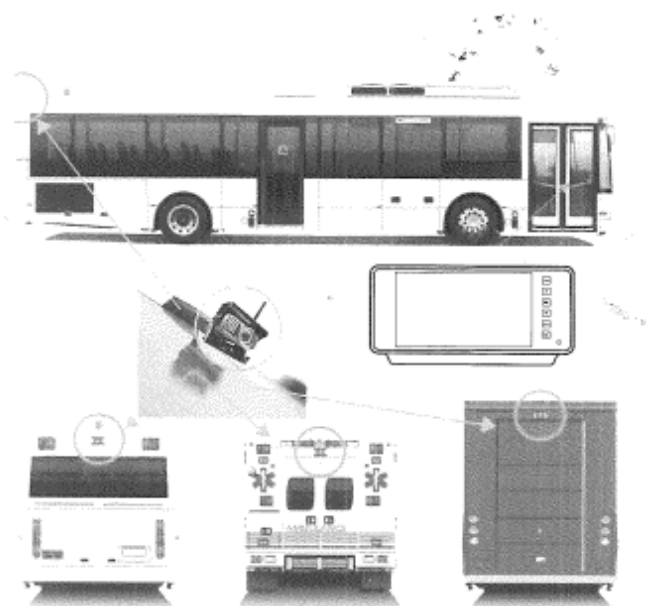
Troubleshooting

Monitor Displays Blue Screen & Displays No Signal

- Do a hard reset, unplug all cables and power cables leave out for 1 minute and then re-connect them.
- Check to ensure that the connection to the camera is tight.

No Image On Screen

- Verify camera is on correct camera input
- Verify camera is connected to power/ground

Audio on Camera

- Verify chosen camera has audio
- Verify volume setting

Signal Issues

- The antenna booster is an extendable antenna that can be used in case of signal issues.
- The cable is attached just like the standard antenna by screwing on the connection- The antenna itself is attached magnetically.