



PLCM22IRX2

Unique Elements:

- 170° wide-angle field of view for maximum rear visibility
- IP68 Waterproof Rating: Resists water, fog, mist, and high-pressure car washes
- Convenient 18.5mm flush mounting option
- Equipped with two multifunction switching loops: CVBS & HD720 switchable

Features:

- Delivers sharp, realistic images in both bright daylight and low-light conditions
- Clear image with enhanced low-light performance —no blurring, fading, or discoloration
- Offers a safer, more confident reversing
- Designed to eliminate blind spots and help avoid obstacles when reversing
- All required installation tools and accessories are included
- Offers optimal visibility and reduced risk of accidents
- Supports 12V–24V systems, making it suitable for most cars, trucks, trailers, RVs, vans, SUVs, campers, and more

What's in the Box:

- Back Up Camera
- 6M AV cable
- Hole Saw Drill bit
- Power cable
- Screws



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Technical Specs:

- Image Sensor: 1.0 Megapixel CMOS
- Video Resolution: 1280 x 720 pixels
- Video Signal Output: CVBS/AHD 720P (Switchable)
- Viewing Angle: 170° wide-angle
- Lens Type: Wide angle
- Image Orientation: Front/Rear/Side
- Parking Guidelines: Supported
- Low-Light / Night Vision: Supported
- Minimum Illumination: ≤ 0.01 Lux
- Waterproof Rating: IP68
- Operating Voltage: 12V–24V
- Power Consumption: ≤ 1.5 W
- Operating Temperature: -20°F to 70°F
- Installation Options: 18.5 mm hole-mount
- Video Connector: RCA
- Compatibility: 12V/24V Universal Car/Truck, RCA
- Input Monitors
- Signal-to-Noise Ratio: ≥ 48 dB
- Frame Rate: 30 fps
- Cable Length (Camera Power): 12 inches
- Cable Length (Video Extension): 20 ft.
- Mounting Depth Requirement: 1 inch
- Item Weight: 0.53 lbs.
- Product Dimensions (L x W x H): 0.73 x 0.73 x 1 inches

California Prop 65 Warning

WARNING:

This product may expose you to chemicals, which is known to the state of California to cause cancer, birth defects and other reproductive harm. Do not ingest.

For more info go to: www.P65warnings.ca.gov



Questions? Comments?

We are here to help!

Phone: (1) 718-535-1800

PyleUSA.com/ContactUs

Functions

1. Automatically turns on when the vehicle is shifted into Reverse gear and turns off when exiting Reverse.
2. Wide-angle high-definition image clearly shows rear conditions and obstacles.
3. Equipped with night vision / low-light assist for clear visibility at night.
4. Supports guideline display on the head unit for distance judgment.

Cautions

1. This product is intended for reversing assistance only. It is not a replacement for manual observation.
2. Do not damage the vehicle's original wiring. Professional installation is recommended.
3. The wide-angle lens may produce slight perspective distortion. Always carefully check for nearby obstacles.

Wiring Diagram

Rear Camera Side

1. **Red wire** → Connect to reverse light +12V
2. **Black wire** → Connect to chassis ground
3. **Video + trigger wire** → Route to the dashboard

Head Unit Side

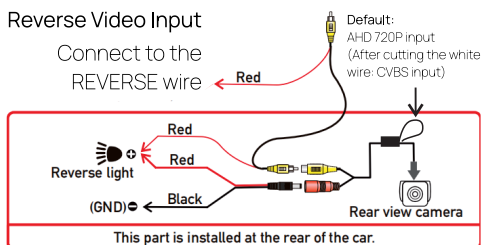
1. **Yellow RCA** → Insert into CAM IN / AV IN
2. **Blue trigger wire** → Connect to REVERSE wire
3. Enable rear-view function in the head unit settings.

Installation Steps

1. Disconnect the negative battery terminal for safety.
2. Locate the reverse light positive (+) and negative (-) wires.
3. Connect the wires by matching colors. Insulate and waterproof all connections.
4. Route the video and trigger cables to the head unit.
5. Shift into R (Reverse) gear to test.

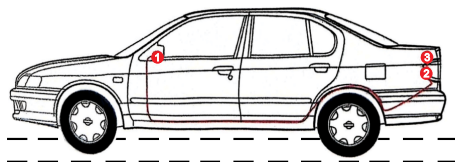
Reverse Video Input

Connect to the REVERSE wire



System Components:

1. Monitor
2. Camera Power Source
3. Camera



How to Use

1. Start the vehicle and shift into R (Reverse) gear. The screen will automatically switch to the rear-view display.
2. Shift out of Reverse gear. The screen will automatically return to the main interface.

Maintenance

1. Clean the camera lens regularly using a soft cloth to maintain a clear image.
2. Avoid directing high-pressure water spray at the camera.
3. If the image appears abnormal, check that all wiring connections are secure.

Troubleshooting

1. **No image:** Check the power supply, video cable, and reverse light connection.
2. **No automatic switching:** Check the trigger wire connection.
3. **Flickering image:** Check for loose connections or unstable voltage.

Register Product

Thank you for choosing PyleUSA. By registering your product, you ensure that you receive the full benefits of our exclusive warranty and personalized customer support. Complete the form to access expert support and to keep your PyleUSA purchase in perfect condition.

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Model Number:
PLCM221RX2
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