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> XO Vision HTC35 Universal Weatherproof Rear View Backup Camera User Manual

XOvision HTC35

XO Vision HTC35 Universal Weatherproof Rear View Backup Camera

Model: HTC35

PRODUCT OVERVIEW

The XO Vision HTC35 is a high-definition, universal weatherproof rear view backup camera designed to provide a clear and safe view when reversing your vehicle. Featuring built-in night vision and a wide 170-degree viewing angle, it helps eliminate blind spots and enhances safety during both day and night operations. Its robust design ensures reliable performance in various weather conditions.



Image: A close-up view of the XO Vision HTC35 backup camera, highlighting its lens and integrated LED lights for night vision.



Universal Vehicle Backup Camera



Image: Front view of the XO Vision HTC35 backup camera, emphasizing its universal compatibility for vehicle backup systems.

SETUP AND INSTALLATION

The HTC35 camera is designed for easy installation, typically taking only minutes. It requires a 12V DC power supply and is compatible with any in-dash DVD player or monitor.

Mounting

The camera comes with adapter rings and a threaded ring to facilitate various mounting angles. You may need to drill a hole in a suitable location on your vehicle, such as the rear bumper, to securely mount the camera. Ensure the mounting location provides an unobstructed view of the area behind your vehicle.

Wiring

The camera includes a 17-foot cable for connection. The barrel connector has two pre-stripped wires: a red wire for positive (+) and a black wire for ground (-). These should typically be spliced into your vehicle's backup light wires, ensuring the camera receives power only when the vehicle is in reverse. Avoid hard-wiring the camera to be always on, as this can lead to overheating and shorten the unit's lifespan.

Initial Alignment

After mounting and wiring, perform a quick alignment check. Connect the camera to your display and verify the image orientation and field of view. Adjust the camera's angle using the provided rings as needed to achieve the desired perspective.

OPERATING INSTRUCTIONS

Once installed and powered, the HTC35 camera automatically activates when your vehicle is in reverse, displaying a clear image on your connected monitor. The camera's wide 170-degree viewing angle provides comprehensive coverage of the area behind your vehicle.



The 170° wide angle view eliminates blind spots when reversing



Nightvision gives you a clear view at night

Image: Illustration demonstrating the 170-degree wide angle view of the XO Vision HTC35 camera, showing how it eliminates blind spots when reversing.

Night Vision Capability

The HTC35 is equipped with 9 LED lights for enhanced night vision. These LEDs ensure a crisp and clear view even in low-light conditions, allowing you to spot objects that might otherwise be difficult to see in the dark.

Weather Resistance

This backup camera is weatherproofed to withstand various elements. It operates reliably in temperatures ranging from -4°F to 176°F and is designed to be rain, sleet, and snow proof, ensuring consistent performance regardless of the weather.

On-Screen Distance Bars

The camera provides an on-screen overlay with general distance bars. These bars can assist you in judging distances while backing up, though it is important to note that they are not to scale and should be used as a general guide. It is recommended to calibrate these bars to your specific vehicle and mounting angle by noting actual distances relative to the on-screen display.

MAINTENANCE

To ensure optimal performance and longevity of your XO Vision HTC35 camera, periodic maintenance is recommended:

- **Cleaning:** Regularly wipe the camera lens clean to remove dirt, dust, snow, or water droplets that may accumulate and obstruct the view. Use a soft, damp cloth.
- **Inspection:** Periodically check the camera's mounting and wiring connections to ensure they remain secure and free from damage.

TROUBLESHOOTING

If you encounter issues with your XO Vision HTC35 camera, refer to the following common problems and solutions:

- **Image is Reversed or Mirrored:**
Some head units or computer systems allow for image mirroring adjustments. Check your display unit's settings for an option to flip or mirror the image. If your display does not have this feature, the image may appear reversed.
- **Image Appears Greyscale or Objects Glow in Bright Daylight:**
The camera's design may lack a full infrared filter to maximize night vision. In very bright conditions, this can cause the image to appear greyscale or objects to have a glowing effect. This is normal behavior and typically resolves in shaded or overcast conditions.
- **Faint Red Glow from LEDs:**
The integrated infrared LEDs emit a 'near' infrared light, which may produce a faint red glow visible to the naked eye. This is normal and indicates the night vision LEDs are active.
- **Distance Bars Are Inaccurate:**
The on-screen distance bars are general guides and not precisely calibrated to your vehicle. To use them effectively, park your vehicle at known distances from an object and note where the bars appear on your display. This will help you understand their meaning for your specific setup.
- **Camera Overheats:**
Ensure the camera is wired to the backup light power source (12V DC) so it only activates when the vehicle is in reverse. Hard-wiring the camera to be continuously on can cause it to overheat, especially on hot days, and will shorten its lifespan.
- **Night Vision Affected by Backup Lights:**
If your vehicle's backup lights are very bright and close to the camera, they might cause glare that interferes with the camera's night vision. You may need to dim or adjust the nearest backup light if this occurs.
- **Uncertainty About Camera Orientation ('Which Way is Up'):**
The camera typically has a quality assurance sticker on the back indicating the correct 'up' orientation. Alternatively, connect the camera to a display during installation and observe the live feed to determine the correct orientation before final mounting.

SPECIFICATIONS

Feature	Specification
Model Number	HTC35

Item Weight	5.6 ounces
Product Dimensions	1.5 x 1.25 x 1.25 inches
Voltage	12 Volts DC
Video Capture Resolution	1080p (Output resolution may vary based on display)
Real Angle of View	170 Degrees
Optical Sensor Technology	CMOS
Lens Type	Wide Angle
Connector Type	RCA
Installation Type	Surface Mount
Display Technology	LED (for night vision)

 NTSC TV system



 420 TV lines resolution

Image: Visual representation of the camera's compatibility with NTSC TV systems and its 420 TV lines resolution.

WARRANTY AND SUPPORT

Limited Manufacturer Warranty

XO Vision warrants to the original retail purchaser that this product, under normal conditions, will have any defects repaired or replaced with new or reconditioned product (at the Company's option) without charge for parts and repair labor. This warranty covers manufacturer defects only and requires proof of purchase. The product must be returned to the company in its original condition.

This warranty does not cover costs incurred for installation, removal, product damages (e.g., discs, tapes), or reinstallation. The warranty is void if the unit is deemed damaged through modification, improper installation, negligence, misuse, or tampering with the serial number and/or barcode. This is a limited warranty for repair/replacement, and XO Vision is never responsible for more than the purchase price of the product.

Customer Support

For further assistance, technical support, or warranty claims, please contact XO Vision customer service. Refer to the product packaging or the official XO Vision website for the most current contact information.