



Specification:

Camera	
Chipset	1/3" CMOS
Camera Lens	2.8mm
Resolution	650 TVL
Camera Angle	120 degrees (D) / 90 degrees (H)
Camera Rating	IP66 Outdoor Rated
IR LED	9 LED
Illumination	0 Lux – IR on
S/N ration	>45db
Electronic Shutter	1/60 ~ 100,000
Auto Gain Control	Auto
Back Light Compensation	Auto
White Balance	Auto
TV System	NTSC
Camera Power	DC 12V ~ 24V 125mA
Humidity	<90%
Temperature Range – Operating	-4F ~ 150F (-20C ~ +65C)
Cable	
Environment	Indoor
Pin	4 Pins (Video, Audio and Power)

Parts included:

- EX4-XC4 Outdoor Color Camera w/ IR x 1
- EX4-CBL60 60ft 4 pin DIN cable x 1
- RVC-PIG DIN to RCA / Power Cable x 1

Warning:

- Install equipment only when vehicle is safely parked, leveled and power Off
- View and access the monitor only when safe to do so
- Review surrounding before operating / moving vehicle
- Observe all electrical safety guideline and polarity to avoid injury
- Please consult with Vehicle Manufacturer for warranty and settings prior to installation
- Ventra is not responsible for any warranty pertaining to the vehicle

Installation Guide

1. Determine the location and mounting position of the camera prior to installation
2. Test the viewing angle by powering both the camera and monitor before permanently securing the camera
3. Once location is determined, securely affix mounting bracket of the camera to the vehicle
4. Connect the **EX4-XC camera** to **EX4-CBL** 4 pin DIN cable. Ensure the cable is securely connected (**see diagram below**)
5. Connect the EX4-CBL cable to RVC-PIG DIN to RCA / Power cable
6. **RVC-PIG:**
 - 2 power pigtail wire (**Red** = 12V Positive, **Black** = Ground) to a power source (i.e. *tail light, reverse light, turn signal or vehicle fuse*)
 - DC power plug to EX4-XC camera
 - RCA connection to monitor via RCA cable
7. Secure RCA cable connection by applying heat shrink tube or electrical tape
8. Connect the RCA cable into the LCD screen

Installation layout

Camera 1

EX4-CBL Cable

RVC-PIG

Existing Monitor



EX4-CBL cable is not waterproof and should not be exposed to direct sunlight, rain or element. Cable should be placed in weatherproof conduit or sleeve



Secure cable connection by applying heat shrink tube or electrical tape to minimize movement from vehicle vibration



OR



System Operation

- Ensure the camera input (RCA) is connected to the vehicle's monitor input
- Additional settings in the vehicle may be required to activate video input. Please check the vehicle owners manual or consult with vehicle factory certified technician for additional information
- As each vehicle manufacturer incorporates its own settings, Ventra does not provide support on the setting and configuration pertaining to the individual make and model of vehicle
- Ventra is not responsible for any warranty issues or claims pertaining to the vehicle. Please consult with vehicle manufacturer prior to any installation

VLCD-7 Operation (If connecting to Ventra VLCD Monitor):

1. Press SET key to Enter or Exit Menu
2. Press or to navigate menu. Press or to change setting

Operation Guide:

1. VLCD-7 monitor supports dual video input. If only 1 camera is connected, that camera will be primary, regardless of which input it is connected to
2. If connecting 2 cameras,
 - **Input 2** = Primary Camera
 - **Input 1** = Secondary Camera
3. To switch camera view, Press for momentary view of the second camera, Or if the secondary camera was powered on / triggered by a switch (i.e. turn signal). Monitor will auto revert back to the primary camera after approximately 5 seconds.

