

VENTRA

3in1 Side & Rear View
Rear Radar Sensor
DVR

Blind Spot / Rear Sensor / DVR

VPD-736 Series



Ventra VPD-736 blind spot vision and object detection system is the ultimate 3 in 1 turnkey video solution, providing unparalleled visibility for fleet vehicles. Commercial vehicles, such as trucks, buses, or large delivery vans, often have a difficult time seeing what is happening on either side of their vehicle. This can lead to accidents that could be avoided if the driver had a better view of their surroundings. The VPD delivers the optimal vision enhancement system to address blind spot issues with 3 - 1080P HD camera (2 sides and 1 rear), along with 6 rear proximity sensors that detect objects up to 8ft, displayed in a vivid LCD monitor with video recording function to capture every detail from any angle.

Key Features

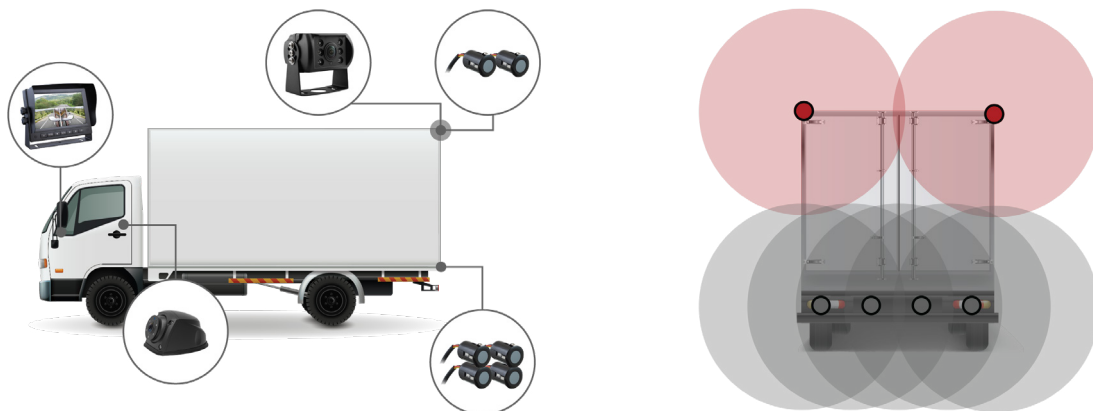


VPD-736 Highlights

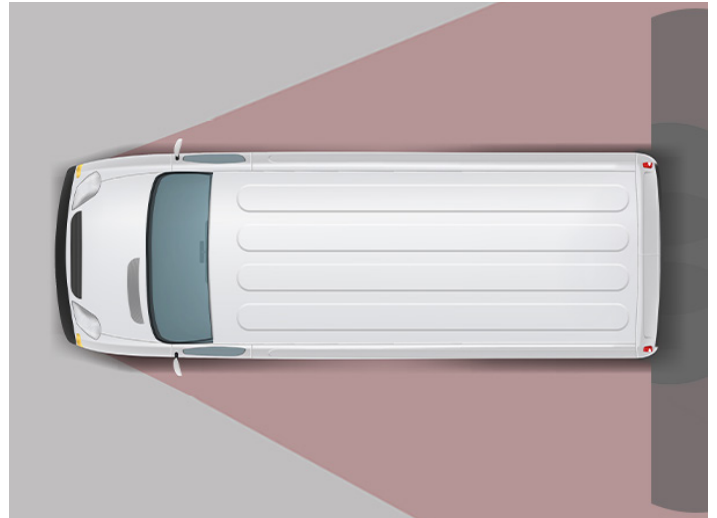
- 2 Rugged 1080P HD weatherproof IR side camera with superior day and night image quality
- 1 Rugged 1080P weatherproof IR wide viewing angle backup camera
- 6 smart backup sensors detect object up to 8 ft away
- 7" Hi Visibility LCD monitor with up to 4 camera input
- Video recording feature for incident documentation
- Video display modes - 1 CH, Split Screen, 3 CH, Quad
- Trigger cables automatically switch camera display view
- Audible proximity beeps to alert drivers of object
- Color coded sensor display in LCD monitor provide visual alerts
- Easy to install and operate - No separate ECU modules
- Save time and labor

System Layout

VPD is designed for maximum driver and vehicle safety in mind, providing complete rear sensor detection. With a 6 proximity sensor configuration - 2 top and 4 bottom setups at the rear of the vehicle. The 2 top sensors are installed at the rear top corner edges of the vehicle, while the bottom 4 sensors are installed equal distance across the rear bumper to provide complete rear object detection of building structure and ground objects.



Reduce Blind Spots + Enhanced Safety

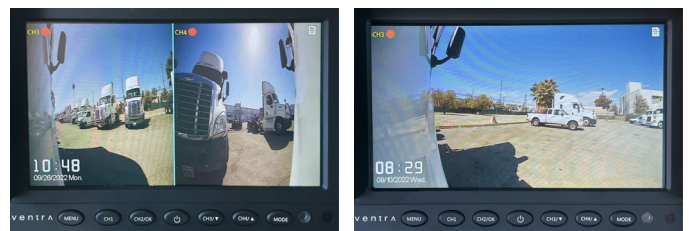


Video Recording + Playback = Enhance Security & Risk Mitigation

Intelligent LCD monitor with built-in recording function significantly enhances security with auto recording of all 4 cameras simultaneously, even while vehicle is parked, regardless which camera is displayed.*

Automatic loop recording ensures system is always recording, never having to worry about SD card storage capacity. System automatically deletes the oldest videos files.

Direct video playback function in LCD monitor provides quick and convenient access



Vivid HD Video Display With Auto Camera Trigger Display

7" Rugged LCD monitor delivers sharp HD video, providing crystal clear picture in day or night . Configurable viewing mode can be easily customized based on viewing preference or requirement. Configuration includes 4 camera (Quad screen) mode, 2 camera (split screen) mode, or a 3 camera (T-shaped) mode. Monitor automatically switches to full screen single camera display when trigger wire is connected and activated.



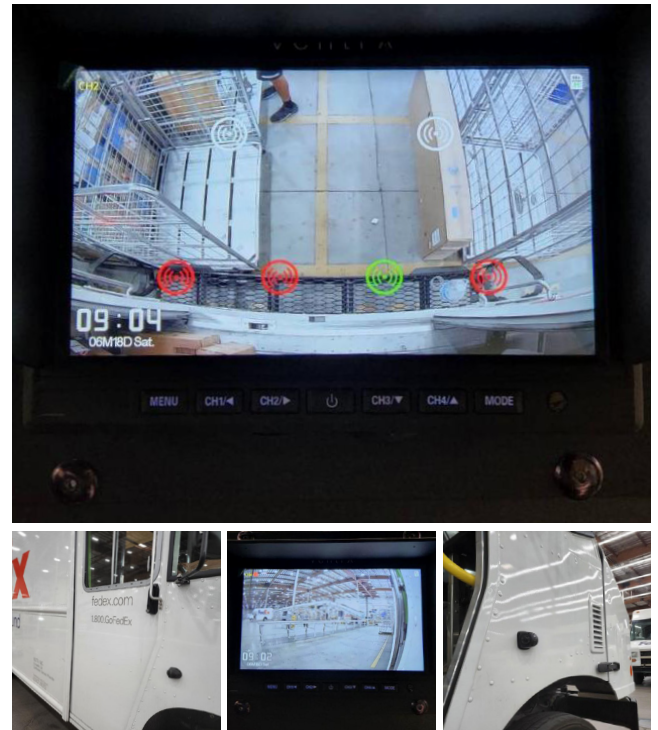
Full System Display

Ultra clear image on both sides and rear of the vehicle through the Hi-resolution monitor, providing wide-angle view for safer driving.

6 rear sensors provide visual and audible alerts when objects are detected.

VPD-736 Kit Includes

- 1 x 7" LCD Monitor with DVR function (VLCD-74PR)
- 1 x 128GB Micro SD Card
- 1 x 1080P HD Rear view IR camera EX88-XC5D
- 2 x 1080P HD Side view IR camera (EX88-XC3D)
- 6 x Radar proximity sensors (VPD-PS1)
- 1 x 4 sensor harness cable
- 1 x 2 sensor harness cable
- 2 x Sensor extension 45ft cable (VPD-CBL45)
- 1 x 45 ft camera cable (EX4-CBL45)
- 2 x 15 ft camera cable (EX4-CBL15)
- 6 X Sensor flush mount grommet (VPD-SFRG)
- 2 X 8 degree offset flush mount grommet (VPD-SF8G)



Hardware Specifications

VLCD-74PR LCD Monitor	
Screen Size	7" TFT LCD
Aspect	16:9 Ratio
Video Input	Max 4 Cameras
Camera Resolution / Input	Supports 1080P AHD, 720P AHD, CVBS (4 Pin DIN Connection)
DVR Recording	Yes - Continuous recording
SD Storage Capacity	256 GB Micro SD max Class U1 / U3 and faster
Video Playback	Video recording playback directly in LCD monitor
LCD Resolution	1024 x 600
Brightness	300cd/m2
Viewing Angle	L / R = 70 degrees, UP = 70 degrees, Down = 70 degrees
Viewing Mode	1 (Full Screen), 2 (Split Screen), 3 (T-Shaped) 4 (H-Shaped Screen)
Video Format	NTSC / PAL
Frequency	50 / 60HZ
Menu	OSD control - Brightness, Contrast, Sharpness, Orientation, Video Format, Language, DVR, Sensors

Trigger	3 separate trigger wires		
Proximity Sensor	Up to 6 proximity sensors (2 Top / 4 Bottom)		
Remote Control	Included		
Operating Power	12 ~ 32VDC		
Temperature (Operating)	-40°F ~ +145°F		
Temperature (Storage)	-40°F ~ +170°F		
EX88-XC3D 1080P Side Camera with IR		EX88-XC5D 1080P Rear Camera with IR	
Image Sensor	1/2.9" CMOS 2MP GC2053	Image Sensor	1/2.9" CMOS 2MP GC2053
Resolution	1080P AHD 1920 x 1080	Resolution	1080P AHD 1920 x 1080
IR	5 LED	IR	6 LED
Viewing angle D x H X V	D = 140°, H = 120°, V = 60°	Viewing Angle	D = 160°, H = 145°, V = 85°
Camera Angle Rotate	Camera angle orientation can be rotated 360 degrees	IP Rating	IP 68
IP Rating	IP 68	Video Format	NTSC
Video Format	NTSC	Housing	Metal
Housing	Metal	Input Connection	4 Pin DIN
Input Connection	4 Pin DIN	Frequency	60HZ
Frequency	60HZ	Operating Power	12VDC
Operating Power	12VDC		
VPD Sensors			
Sensor Type	Digital Sensor		
Sensor Frequency	58 ± 1 kHz @ 77°F ± 5.4°F		
Sensor Capacitance	2000 ± 15%pF		
Echo Sensitivity	480uS ~ 680uS @ 77°F ± 5.4°F and 47" range		
Detection Tolerance	±3.9 inch		
Horizontal Angle	90 ± 10°		
Vertical Angle	45 ± 5°		
Ring Time	<2.0ms		
Rated Current	<20mA each sensor		
Working Voltage	9 ~ 28VDC		
IP Rating	IP 67		
Housing	ABS		
Rated Current	<20mA each sensor		
Input Connection	4 Pin DIN		
Temperature (Operating)	-40°F ~ + 185°F		
Temperature (Storage)	-40°F ~ + 185°F		

Warranty

All Ventra equipment include One Year Limited Manufacturer warranty from date of purchase. *Specs subject to change without notice