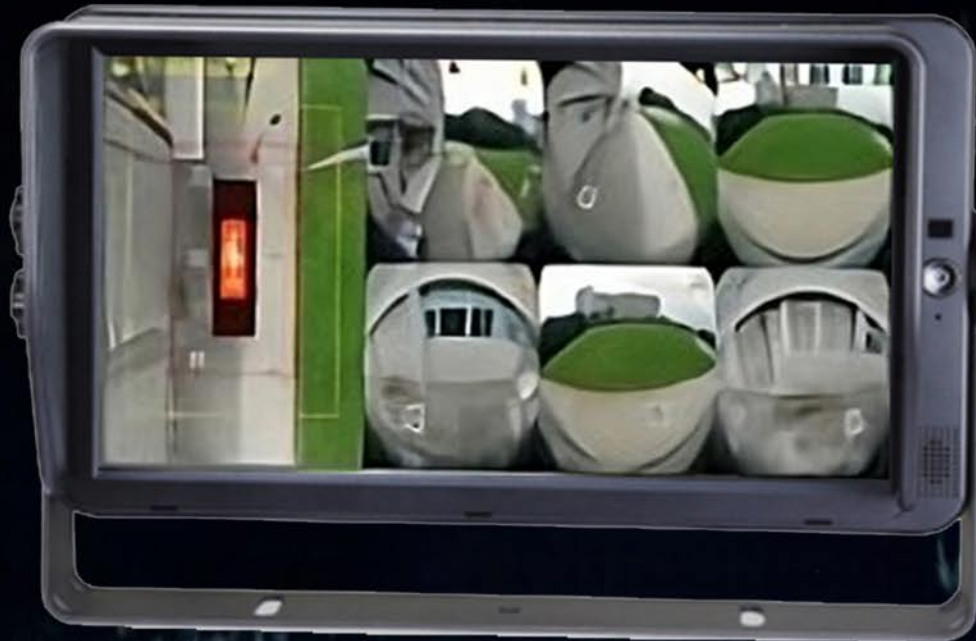


FLEETVU-360^o

surround vision technology



FLEETVU-360°

panaromic HD-1080p surround vision

STHD-360°

Product Spec Sheet

Input video	Max. 4CH×1080P@25fps/1080P@30fps
Display mode	2D/3D
Resolution	1080P
Output Refresh rate	25/30fps
Storage	Max. 2×512GB SD card
Compressed encoding	Max. 4CH×1080P H.264 encoding
Video stream	4M/2M
Operating voltage	10-32V
Operating voltage range for external trigger signals	10-32V
Operating electric current	<2A/12V
Operating temperature	-20°C-70°C
Storage temperature	-40°C ~85°C
Operating humidity	10%-90%

Radar system:

Frequency	24.00 ~ 24.20GHz
Transmitter Type	FMCW
Power Supply	10 to 32V DC
Detection Range	Detection length limit 0.1~20m, up to 5 detection zones(distance of each zone can be configured)
Detection Zone Visualization	Green (furthest), Yellow(middle), Red (closest)
Detection Tolerance	+/- 30 cm
Antenna Beam Angle	100° (Horizontal), 40° (Vertical)
Trigger Input ×1	Trigger from vehicle, high active Range above +10Vdc, up to supply voltage
Alarm Output ×1	Switched to Ground when activated Loading up to 1.0A
Video format	CVBS(PAL, NTSC), AHD(720P 25fps/30fps, 1080P 25fps/30fps)
Wi-Fi module	2.4GHz(Optional)
Operating Temperature	-20 ~ +70°C
Storage Temperature	-30 ~ +80°C
IP Protection	IP69K (sensor),IP66(Control Box)
Vibration Rating	5.9G
Dimensions	Sensor: 106.6(W) ×72.6(H) ×32.4(D) mm Control Box: 152.6(W) ×89.2(H) ×53.8(D) mm
Weight	151.9Grams (sensor), 240Grams (control box)
Mounting	Two (4.5mm) diameter mounting holes (sensor) Four (6mm) diameter mounting holes (control box)

FLEETVU-360^o

SURROUND VISION TECHNOLOGY



FLEETVU-360^o HDNS Surround Vision System

Real-time driver awareness in any driving situation!

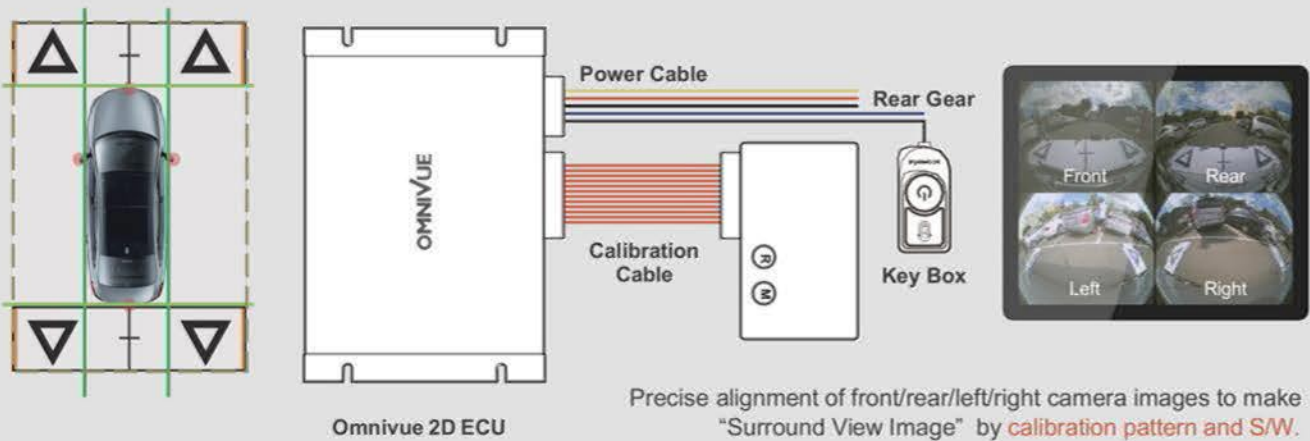
- High Definition (HD) & Low Lux IP69K rated cameras.
- 360° bird's eye screen view – Reduce Accidents, No Blindspots for Drivers!
- Reverse triggered 185° back-up camera w/programmable grid lines.
- Turn signal tleft & right rigged 185° blindspot cameras.
- Driver triggered 185° Front camera. Increase Driver performance.
- Ruggedized metal camera housings are paintable.
- Optional LCD monitor sizes and factory screen integrations available.
- Vehicle Supplier Quality Certification (OEM TS-16949)



Calibration Overview

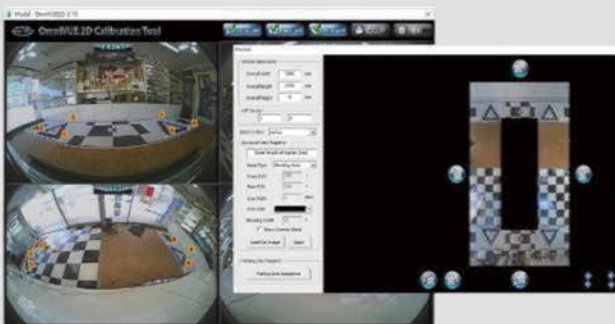
I Step1

Capture raw images from 4 cameras via calibration kit after setting up the patterns



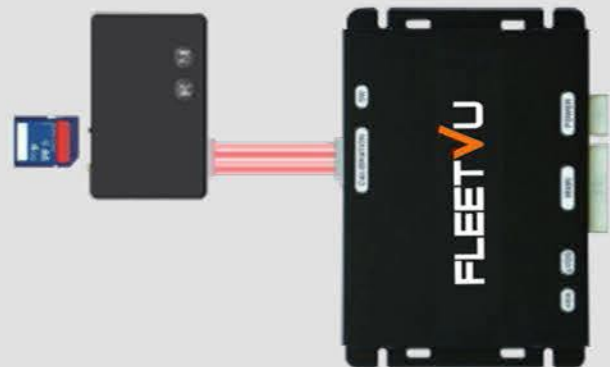
I Step2

Calibrate captured images via PC calibration tool



I Step3

Update the system with calibrated data



Calibration Package



Calibration Board



ECU Cable



Calibration Pattern (2ea)



SD Card



Irda Cable



Remote Controller



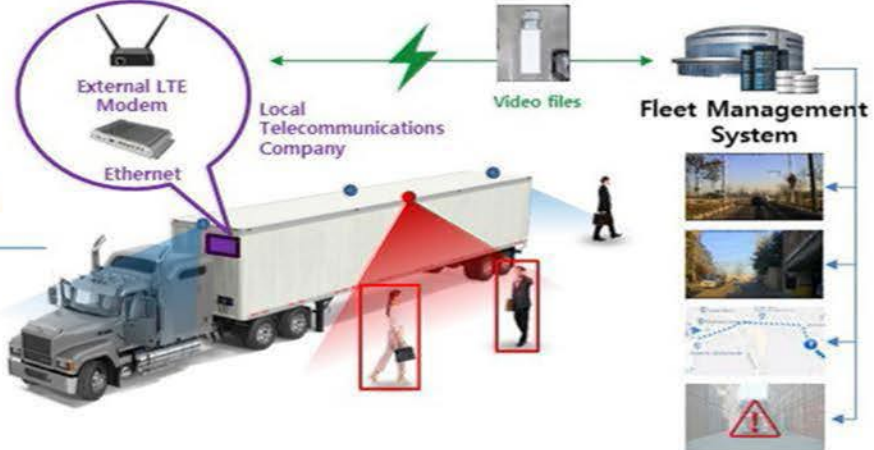
※ Only for installation centers

Surroundview Monitoring System

Product Composition (4 Channels)

Tablet	Basic Components	Optional Accessories
<ul style="list-style-type: none"> - 360° AVM - 360° DVR - 4 Channel Recording  	<ul style="list-style-type: none"> - Main module for SVM and DVR - External Cameras (supports 4~8CH) - Camera Cables - Wi-Fi Antenna 	<ul style="list-style-type: none"> - GPS - External SATA SSD - External LTE Modem 
 <p>4 Cameras</p>		

System Service Concept

Driver's Tablet	SVM + Fleet & Vehicle Management (optional)
 	 <p>External LTE Modem</p> <p>Ethernet</p> <p>Local Telecommunications Company</p> <p>Video files</p> <p>Fleet Management System</p> <p>Wi-Fi</p>

MOD Main Features

SVM	MOD	DVR	Fleet & Vehicle Management
 <ul style="list-style-type: none"> • SVM : Supports 2D/3D viewing modes • MOD : When the vehicle is in 'REVERSE', the device provides a warning if an obstacle appears (pedestrian, vehicle etc). 	 <ul style="list-style-type: none"> • 128 GB built-in memory • External SATA SSD 1TB ~ 4TB (optional) • 2 CH Display <ul style="list-style-type: none"> - CH 1 : Split view of vehicle surroundings - CH 2 : Virtual bird's-eye view 	 <ul style="list-style-type: none"> • Supports 3G/4G mobile networks • View live video streams and retrieve recorded video files from various devices (PC, tablets, smartphones) • Integrate our solution with current fleet management service (optional) 	

FLEETVU-360°

SURROUND VISION TECHNOLOGY



Exclusive provider:



FLEETVU

170° Ultra wide HD Cameras

safety for the road ahead