



# 360° OMNIVUE

Surround View Monitoring system

## User Manual

**360° OMNIVUE**

[www.omnivue.co.kr](http://www.omnivue.co.kr)



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# User Safety Information





## 1. Meanings of the symbols used

-  ← Warning or caution.
-  ← Prohibition of certain actions.
-  ← Instruction for certain actions.

## 2. Safety rules for users

















- This manual contains information necessary for user safety.
- Read this manual carefully before starting operation of the product.
- Install and use the product as instructed in this manual.

## 3. Warranty and disclaimer

-  360°OmniVue is a product designed to assist the driver with safe parking and driving.
-  Images displayed on the monitor may differ from the actual images and drivers may sense the distance differently.
-  ImageNext assumes no responsibility for any damages that may arise from driving or parking while watching the SVM monitor.
-  ImageNext assumes no responsibility for any possible damages that may arise from incorrect installation due to disregarding the instructions of the user manual.

# User Safety Information

## 1. Precautions for users

-  ImageNext strongly recommends using original parts and accessories.
-  ImageNext offers no warranty service for damages or breakdown caused by unauthorized repair, rework, or disassembly.
-  Do not install the product with wet hands or in wet environments.
-  Low quality image on the navigation or other monitors connected to the product is not qualified for repair by ImageNext.
-  Brightness of the image may be perceived differently depending on the illumination of the surroundings.
-  The ECU unit of the product installed inside the car may build up heat while in use, which is not a cause for repair.
-  As 360° OmniVue synthesizes flat images, the curb on the road may appear as if layered when driving a steep curved road, which is not a cause for repair.
-  When the cable is damaged, call the service center. The replacement must be made with original parts.
-  Detach the cables from the main unit immediately in case of smoke, smell, or other anomalies.
-  Use the product at an appropriate temperature.
-  The operable temperature range is from -30°C to +75°C (-22°F to 167°F).
-  Images on screen may become vulnerable to noise or appear low quality at night, depending on the illumination of the surroundings.
-  Blind spots may occur due to interference by the vehicle, depending on the installation locations of cameras.
-  The automatic calibration function may be adversely affected by external influences such as the location of camera, illumination, and uneven road surface. Please refer to the installation guidelines.
-  Contact authorized dealers for installation and repair.
-  ImageNext does not accept product return after it has been installed with the consent of the customer.

# Installation and Configuration

## 1. Overview and features

360° OmniVue provides user convenience and safety with the bird's-eye view, obtained by stitching images from 4 wide-angle cameras mounted on the front, back, left and right. The aerial view helps the driver see the surroundings of the vehicle instantly.



- Four cameras with 185° ultra wide angle



- Patented globally



- Smart image processing technology (synthesis and conversion)



- Safety and convenience while driving and parking



- Government-certified new technology (NET 2009)



- Prevention of potential accidents

# Installation and Configuration

## 2-1. Main components — Passenger car



Be sure to use the cables included with the product.  
The actual components may appear different from the images shown below.  
Not all the cables shown below are provided for some models.  
The designs and features of the product are subject to change without prior notification.



Do not disassemble, repair, or remodel the product.

Options for side cameras: Side mirror type/Fender type



Side mirror-type camera + Garnish



Fender-type camera + Garnish (in black or white)

A-type



B-type



C-type



Front camera + Garnish (Select A, B, or C type by vehicle model)



ECU unit



Key button



Auxiliary components



Main cable



Power cable



Extension cables  
(front, rear, right, left)



CVBS cables (video out)



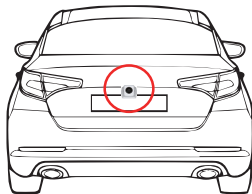
Signal cable  
(reverse gear)



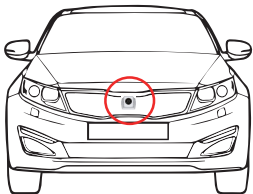
User manual

# Installation and Configuration

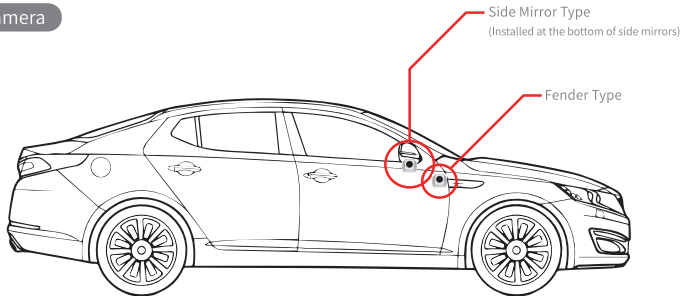
## 2-2. Instruction for camera(garnish) installation — Passenger car



Rear Camera



Front Camera



Side Cameras

\* Installation locations and garnish types may vary by vehicle model.



# Installation and Configuration

## 3-1. Main components — Commercial vehicle



Be sure to use the cables included with the product.

The actual components may appear different from the images shown below.

Not all the cables shown below are provided for some models.

The designs and features of the product are subject to change without prior notification.



Do not disassemble, repair, or remodel the product.



Front, rear, side cameras



ECU unit



Key button



Main cable



Power cable



CVBS cables (video out)



Auxiliary components



Gasket kit



User manual

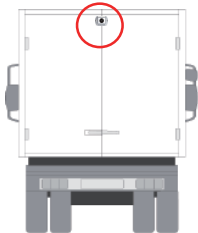


Extension cable (3, 5, 9, 15, 18-meter: sold separately)

\* Cameras and garnishes are packaged separately.

# Installation and Configuration

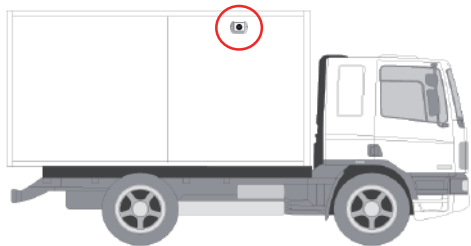
## 3-2. Instruction for camera(garnish) installation — Commercial vehicle



Rear Camera



Front Camera

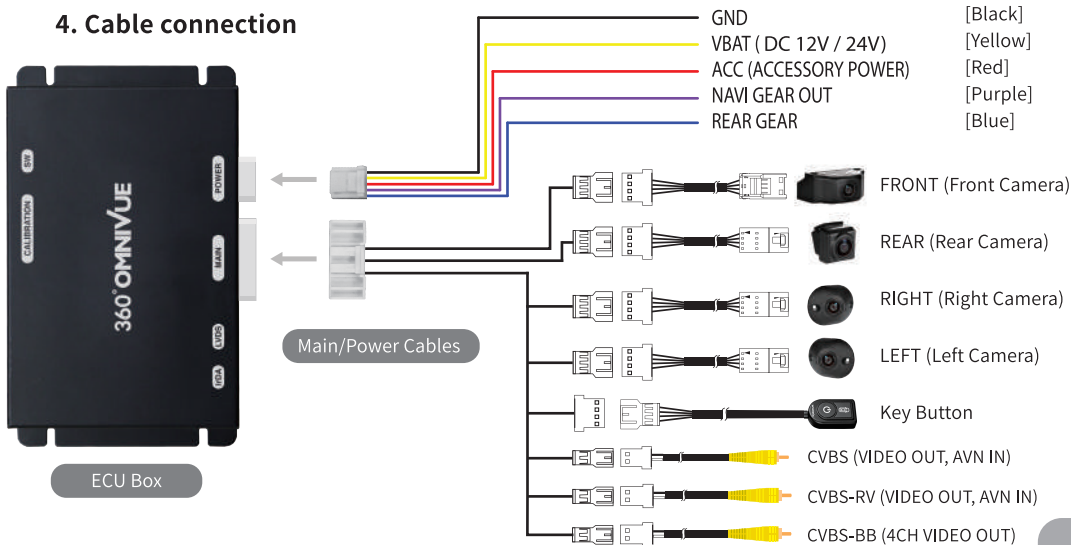


Side Cameras

\* Installation locations and garnish types may vary by vehicle model.

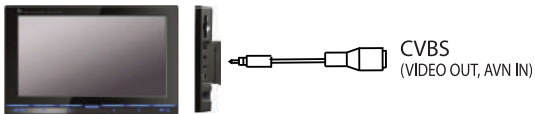
# Installation and Configuration

## 4. Cable connection



# Installation and Configuration

## 4. Cable connection (continued)



Display (monitor, navigation, black box) \*Sold separately



- GND
- BAT (DC 12V / 24V)
- ACC (ACCESSORY POWER)
- R GEAR (REAR GEAR)

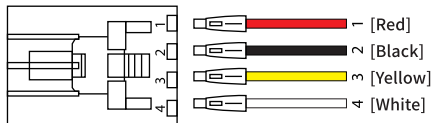
Passenger car



Be sure to use the cables included with the product.  
The actual components may appear different from the images shown above.  
The designs and features of the product are subject to change without prior notification.



Do not disassemble, repair, or remodel the product.



How to use connector housing

When installing side mirror garnish, first complete wiring, and then insert the terminals to the connector housing as shown above.

- Mode button —  
· Transition to View Mode
- Power button —  
· OmniVue On/Off Control



Key button

※ Some models may not support the power button.

# How to Use 360°OmniVue

## 1. Start-up

- ❗ Complete installation and start the engine to boot up 360°OmniVue.
- ❗ For passenger cars, the OmniVue display can be controlled with the power(on/off) button.
- ❗ For commercial vehicles, the view is displayed immediately after the engine is started.

## 2. How to change the view mode

- ❗ Push the Mode button on the Key Button to change modes.
- ❗ When shifted to reverse gear, the view mode automatically switches to the “Surround View + Rear View.”



Images on screen may become vulnerable to noise or appear low quality at night, depending on the illumination of the surroundings.  
Contact authorized dealers for installation and repair.  
The number and type of view modes are subject to change for certain models.

# How to Use 360°OmniVue

## 3. Display layout



- 1 Around View
- 2 Front/Rear View
- 3 View Mode Icon

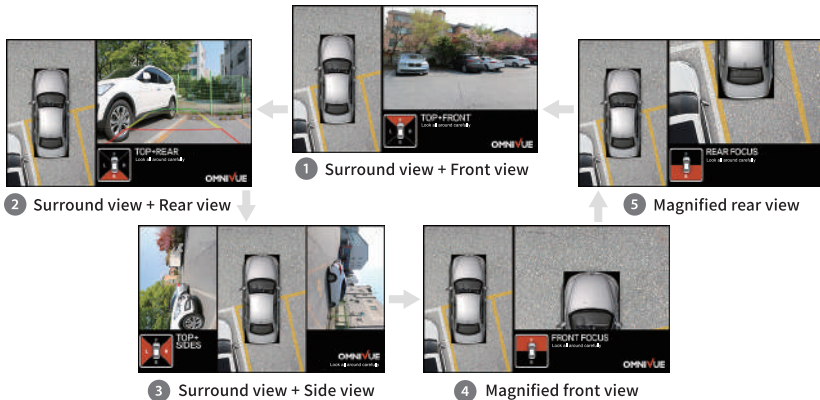
\* Display layout may vary by navigation or monitor specifications.

\* Shown above is the most common display layout.

- ⓘ Designs, including view icons, are subject to change without prior notice.
- ⓘ The objects on screen are closer than they appear.

# How to Use 360°OmniVue

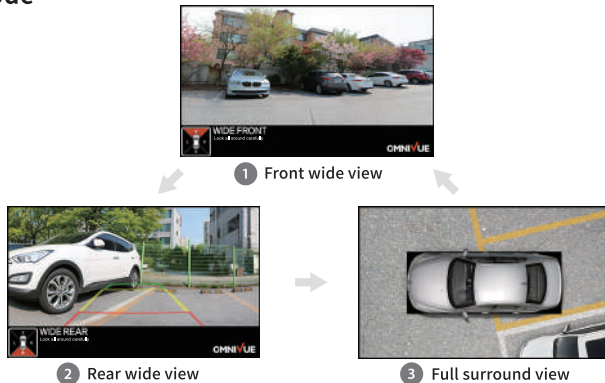
## 4. Surround view + Single view mode



- ⓘ Press the Mode button briefly to change the view mode in the sequential order.
- ⓘ The type and number of view modes may vary by product model.
- ⓘ Parking trajectory guidelines are displayed on screen only when engaging the reverse gear.

# How to Use 360°OmniVue

## 5. Wide view mode



- ❗ Press the Mode button briefly to change the view mode in the sequential order.
- ❗ The type and number of view modes may vary by product model.
- ❗ Press the Mode button for long (approx. 1.5 seconds) to switch between “Surround view + Single view” and “Wide view” modes.
- ❗ Parking trajectory guidelines are displayed on screen only when engaging the reverse gear.



# Other Information

## 1. Specifications

Model name	360° OmniVUE
Voltage	DC 12V / 24V
Power consumption	Maximum of 9W (including cameras)
Input	Front, rear, right, left cameras (NTSC) 4CH
Output	CVBS (NTSC) 2CH (3CH available by option)
Operable temperature range	-30°C to +75°C (-22°F to +167°F)
Storage temperature range	-40°C to +85°C (-40°F to +185°F)
Camera	Around 185° horizontal angle of view
ECU size	W173 x L100 x H30
Resolution	Optimal for 800 x 480 monitor

# Other Information

## 2. Troubleshooting

Issues	Troubleshooting
"WARNING" is displayed on the screen.	✦ Visit your dealer and request calibration service. The warning message will disappear when calibration is completed.
Camera(s) (front, rear, right, left) has moved from its installation position.	✦ Professional rework is needed to firmly install the camera. Contact the customer service center or your dealer.
Surround view is not aligned on the screen.	✦ Views are misaligned on the screen if the garnish(camera) has moved from its original location. Contact the customer service center or your dealer.
The navigation/monitor is on, but no OmniVue image is displayed.	✦ The problem is related to disconnection of the CVBS cable or the power supply to the main ECU. Contact the customer service center or your dealer.

## Product Warranty Certificate

Thank you for purchasing ImageNext product. As the one-year warranty starts from the date of purchase, please be sure to have a proof of the original purchase date for the warranty service.

Name		Contact No.		Date of Installation	
Address					
E-mail					
Vehicle Type	Passenger/RV/Commercial	Vehicle Model		Vehicle No.	

Product Name		Installation Store		Installer	
Installation Store Address				Contact No.	
Product No.					

The warranty term is one year beginning on the date of installation.

## ■ Warranty Coverage

1. The warranty coverage is one year from the date of purchase (a maximum of 15 months from the manufacturing date).  
No warranty service is provided for damages arising from use not in accordance with the product instructions.  
All other consumable components except the ECU unit and cameras are covered by this warranty for six months only.
2. The repair cost will be charged in the following cases:
  - Failure/damage after the warranty expires
  - Failure/damage caused by carelessness or negligence
  - Failure/damage caused by natural disasters (fire, earthquake, flood, lightning, etc.)
  - Failure/damage caused by power supply faults
  - Failure/damage caused by connected equipment
  - Failure/damage caused by unauthorized disassembly, repair, or modification
  - Loss of warranty certificate, and
  - Failure/damage caused by not following the instructions in this manual.

## ■ Customer Service Center

Please contact the customer service center at [ovc@imagenext.co.kr](mailto:ovc@imagenext.co.kr) or 1661-9987:

- To ask questions or inquire for more information about products offered by ImageNext,
- To report a delay in service by dealers and/or designated service centers, and
- To report any other inconveniences.

## ■ Consumer Damage Indemnity

Damage sustained by consumer during use of the product will be compensated pursuant to the generally applicable consumer damage indemnity rules.

## Installation Consent Form

I find the explanation provided by the dealer about the product sufficient, and hereby agree to and understand that no return is accepted after installation unless the product is deemed defective.

Date: \_\_\_\_\_

Name: \_\_\_\_\_

Signature: \_\_\_\_\_



MEMO

360° OMNIVUE

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