

INNOVV™

Protect Your Road Trip and Record Fun On The Way

INNOVV N1 Pro Navigation & Camera System

Intended For Powersports (Motorcycle, ATVs, UTVs & Others)
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INNOVV N1 Pro Product Overview

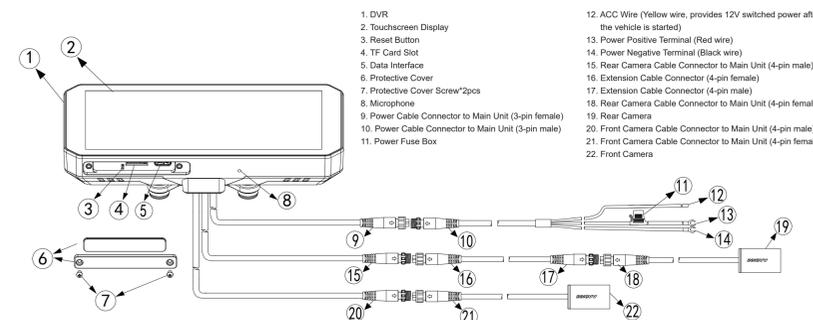
INNOVV N1 Pro is a dedicated motorcycle smart riding system, that integrate dual-channel 1920x1080 30fps video recording, supporting mobile phone integration (IOS Car Play, Android Auto), offering rear-view streaming assistance, video playback, parking monitoring, and high-definition, high-brightness, full-screen touch interface. Built with an aluminum body for increased durability, it features two compact and easy-to-install cameras. The practical mobile connectivity features provide simple and effective solutions to the challenges of using the mobile phone while riding. Navigating maps, accessing information, or handling calls becomes seamless with the 5.99-inch full-screen touchscreen, enhancing every aspect of your ride and capturing all the thrilling moments effortlessly.

Product Features:

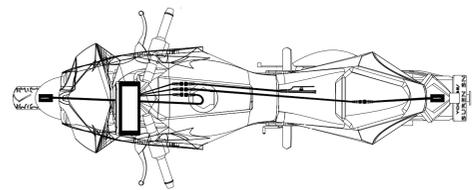
- 5.99-inch high-brightness, high-definition full-screen touch interface.
- Mobile phone connectivity (IOS CarPlay, Android Auto).
- Dual front and rear cameras with 1080P+1080P 30FPS recording.
- Rear-view streaming media assistance.
- F2.0 large aperture ultra-high-definition all-glass lens, effectively improving image quality and reducing distortion.
- H.265 high-efficiency video coding technology.
- Supports up to 256GB storage cards.
- Dual-band WIFI solution, with the 5.8G band offering higher transmission rates and stability.
- Practical tire pressure monitoring system.
- The whole device is waterproof with an IP67 rating, meeting outdoor rain and dustproof requirements.



Brief Introduction



Installation Diagram



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570*420mm

Installation Guide

TF-Card Instructions & Installation



TF card installation:

- Please refer to the diagram on the left open the waterproof cover with the matching tools.
- Insert the TF card according to the direction of the red arrow in the picture, then close the waterproof cover and lock the screws.

Remind: The water may enter and damage the host if the waterproof cover is not properly fixed in place.

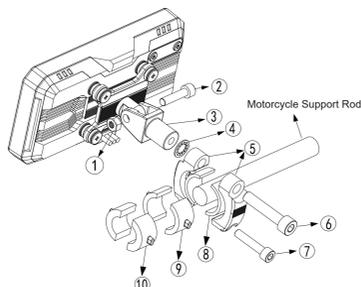
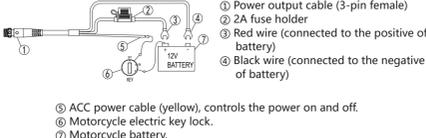
Installation Guide of The DVR Bracket

- Installation Guide:**
- Take out the corresponding mount accessories and tools from the accessory package according to the diagram on the right;
 - Confirm the suitable position where the motorcycle can install the equipment, and then find the stable support rod of the original vehicle. Trial whether the installation is in line with your sight.
 - Match the rubber ring according to the diameter of the support rod to achieve the best fastening effect.
 - Please fix the mount on the motorcycle support rod first, then install the DVR display and adjust to the suitable viewing angle, and then tight the mount screws.

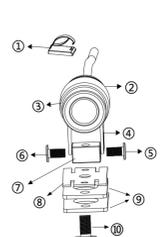
Kind tips:

- Please read the instructions carefully before installing. Understand product features and instructions for use, and check the packing list for accessories.
- Confirm whether the vehicle meets the power supply requirements of the equipment. Testing the equipment first and then installing and fixing the equipment to the vehicle.

Power Connection

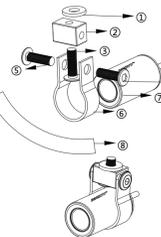


Camera Installation



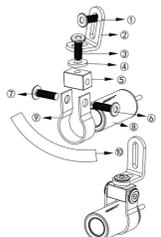
- Rubber mat
- M6*25mm screw
- L-shaped bracket
- U-shaped bracket
- Camera
- 3M rubber cushion

Camera Installation



- M6*25 mm screw *1 piece
- L-shaped bracket
- M6*12 mm screw *1 piece
- Rubber mat
- M6*8 mm screw*2 pieces
- U-shaped bracket
- Small block
- Camera
- 3M rubber cushion

Camera Installation



- M6*25 mm screw *1 piece
- L-shaped bracket
- M6*12 mm screw *1 piece
- Rubber mat
- M6*8 mm screw*2 pieces
- U-shaped bracket
- Small block
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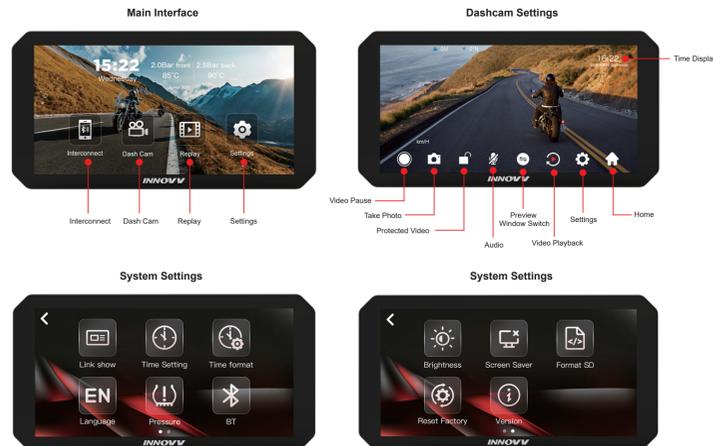
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Functional Description

System Interface Introduction



Mobile Phone Connection Steps

IOS Users:

- Click on the main screen.
- Enable both Wi-Fi and Bluetooth on your phone simultaneously. Search for the Bluetooth device named INNOVV_N1 Pro_*** and actively connect to it.
- Once the device is connected, your phone will prompt you to pair via Bluetooth. Select "Pair" and, when prompted, choose whether to allow synchronization of contacts and favorites. After a moment, please select "Use CarPlay while driving" to complete the device connection.
- The CarPlay interface will be displayed on the screen. You can exit the CarPlay interface by pressing the Home button .



Android Users:

- Click on the main screen.
- Turn on Wi-Fi and Bluetooth at the same time on your phone, and search for a device with the Bluetooth name INNOVV_N1 Pro_***, and then click on this device to connect.
- The phone will prompt a Bluetooth pairing request once the device is connected, please select pairing. Then please select Continue when the display prompts "Welcome to use Android Auto", at this time, the device has completed the connection.
- The Android Auto interface will be displayed on the screen. You can exit the Android Auto interface by pressing the icon.



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1. Navigation Voice Instructions:

As the DVR lacks an external microphone, please connect your phone and headset via Bluetooth to receive audio navigation.

2. TF Card Instruction

The N1 Pro supports TF cards with a capacity from 16GB to 256GB. The selected TF card should have a writing speed higher than U1.

3. Rear-View Streaming Auxiliary Instruction

Click the "Dash Cam" on the display, enter into the video surveillance mode, it is allowed to slide left or right to choose and check the real-time rear-view recording video.

4. Restart the N1 Pro System

Open the waterproof cover on the right side of the DVR, find the hole near the slot of the TF card, and press it with a needle bar to restart the system.

Specification

Model: N1 Pro		Camera Parameters	
Structure Parameters		Camera Parameters	
Installation	Side Mounted/Front Mounted	Maximum Resolution	1080P@30FPS
Size of DVR	165*85*28mm	Viewing Angle	120°
Size of Lens	Dia25*1.44mm	Structure	2G+4P+1IR
Weight of DVR	380g	Aperture	F2.0
Color	Black	Cable Length	0.6M
Waterproof Rate	IP67	Weight of Lens	55g
Specifications			
Processor	ARM Cortex-A7 1.0GHz	Size	5.99inches
RAM	2G	Resolution	1440*720
Operational System	Linux	Brightness	800cd/m²
Operation Method	Finger Touch	Aspect Ratio	18:9
Image Sensor	SONY STARVIS IMX307	Video Parameters	Front 1920*1080, 30fps
Bluetooth	Bluetooth 5.2	Rear	1920*1080, 30fps
Wireless Connection	WiFi (2.4G/5.0G)	Voltage Input	9-16V
Sensor	G-sensor	ACC Input	9-16V
Video Encoding	H.265	Working Current	12V, 620mA
Storage Method	TF Card	Stand-by Current	< 20uA
TF card capacity	U1 16GB-256GB	Operating Temperature	-15°C - +60°C
Video Format	TS	Storage Temperature	-20°C - +70°C
Microphone	- 40db		

Package Included

Name	Quantity
DVR and Display	1 pcs
0.6 Meters Extended Cable	2 pcs
2.5 Meters Extended Cable	1 pcs
Power Supply Cable	1 pcs
Accessory Kit	3 pcs
Manual	1 pcs
Tire Pressure Sensor (Optional)	2 pcs

Troubleshootings

- The camera is shaking while riding, and the videos are jittery. Please check if the camera is parallel to the ground and confirm if the screws are tightened enough. Please add a silicon plate to strengthen the resistance between the bracket and handlebar.
- The DVR mount gets loose even though the screws are tightened.
- The video is blurry. Please check if the lenses are clean without any finger marks, dust, or other smudges, and wipe the lenses with a dust-free cloth.
- The DVR is not working after the motorcycle ignition is on. Please check the yellow ACC wire and other cable connections first.
- The INNOVV N1 Pro fails to record. Please check if the TF card is inserted properly or select another TF card and try again.
- There is no image from the cameras. Please check if the camera connector is loose and if the connection wires are damaged or broken.
- When there is a problem with the DVR, you can open the waterproof cover on the right side of the DVR with the accompanying tool and press the reset button with a thin paper clip-type lever to allow the system to reboot.
- There is no audio in the video. Please check if the microphone is off in the App settings. Please check if the microphone input hole in the DVR is blocked or not.

9. CarPlay can't connect

- It takes a longer time to connect for the first time.
- Only iPhone supports Carplay and the system should be IOS13 or above.
- Check if the phone's WiFi and Bluetooth are turned on.
- You need to delete the WiFi that is connecting and can't provide the network, such as carlink...
- Go to the phone settings-General/Carplay Car, delete all the records and reconnect.
- Restart the phone and reconnect it. Go to Settings-General/Carplay, delete all records and reconnect.

10. Android Auto can't connect

- It takes a longer time to connect for the first time.
- only Android phones have support for Android Auto and the system has to be Android 11 or above.
- check that the phone's WiFi and Bluetooth are turned on.
- you need to delete the WiFi that is connecting and can't provide a network, such as carlink...
- Go to phone settings - connected devices - Android Auto - previously connected cars - accepted cars - remove all records and reconnect.
- Restart your phone and reconnect.

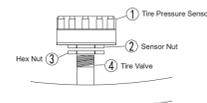
11. To use cell phone connectivity

We recommend that the cell phone is located within 2 meters of the main unit, making sure that there are no metal obstacles or sources of interference in the surrounding area.

Tire Pressure Monitoring System Instructions

Installation of Tire Pressure Sensor

- Install the sensor externally on the tire.
- Unscrew the dust cap from the tire valve.
- Place the hex nut onto the valve, install the tire pressure sensor, tighten the sensor nut with a wrench, and then lock the hex nut back towards the sensor.



Tire Pressure Setting Operation



- Set the tire pressure unit to Bar or Psi as needed.
- Set the pressure alarm value according to the vehicle model. If the tire pressure exceeds the set value, either too low or too high, a red alert will be triggered.
- Setting tire pressure: A corresponds to the front wheels (FRO) and B to the rear wheels (BAC). Install the A tire pressure sensor on the front wheels and pair. Then install the B tire pressure sensor on the rear wheels and pair.

Note: If the tire pressure value is not displayed, please re-pair. If you need to replace the sensor, please unpair the old one before pairing a new tire pressure sensor.

Notices

- Please wear the gloves with touchscreen function when you need to wear gloves to operate the N1 Pro.
- Please follow the manual to install the TF card to avoid damage to the Smart screen N1 Pro or TF card due to incorrect operation.
- Please ensure the vehicle power supply is 12V DC to prevent issues such as failure to start up, automatic shutdown, or potential damage to the intelligent screen recorder due to power supply problems.
- When installing the main unit and wiring harness, keep them away from heat sources and electromagnetic interference to prevent malfunctions in the N1 Pro.
- Before connecting the connector, check if the waterproof sealing ring is intact and in place to prevent water ingress, loosening, and other issues.
- Please select a TF card with a writing speed higher than U1, unqualified TF cards may not work properly. 7. INNOVV N1 Pro is a high-precision product that should not be dropped or severely impacted.

Customer Support

For more information about INNOVV products and accessories, please refer to www.innovv.com or www.innovv-powersports.com. For any suggestions or customer support, please contact us by sending an E-mail to cs@innovv.com.

Heretby, INNOVV Tech Co., LTD declares that the radio equipment type INNOVV N1 PRO is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address: www.innovv.com/N1Pro-doc

Disposal of Electrical & Electronic Equipment (WEEE):
The crossed-out garbage can symbol on the product, literature, or packaging reminds you that all electrical and electronic products, batteries, and accumulators must be taken to separate collection at the end of their working life. This requirement applies to the European Union and other locations where separate collection systems are available. To prevent possible harm to the environment or human health from uncontrolled waste disposal, please do not dispose of the products as unsorted municipal waste, but hand it in at an official collection point for recycling.

WEEE often contains sensitive personal data. This applies in particular to information and telecommunications technology devices such as computers and smartphones. In your own interest, please note that each end user is responsible for deleting the data on the WEEE that is to be disposed of.



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