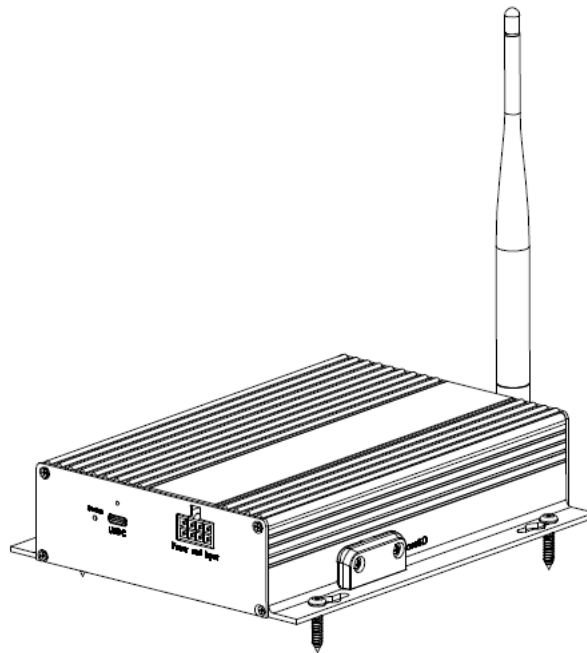


Convoy Air Hub Installation Manual

Model number: UVCGW1





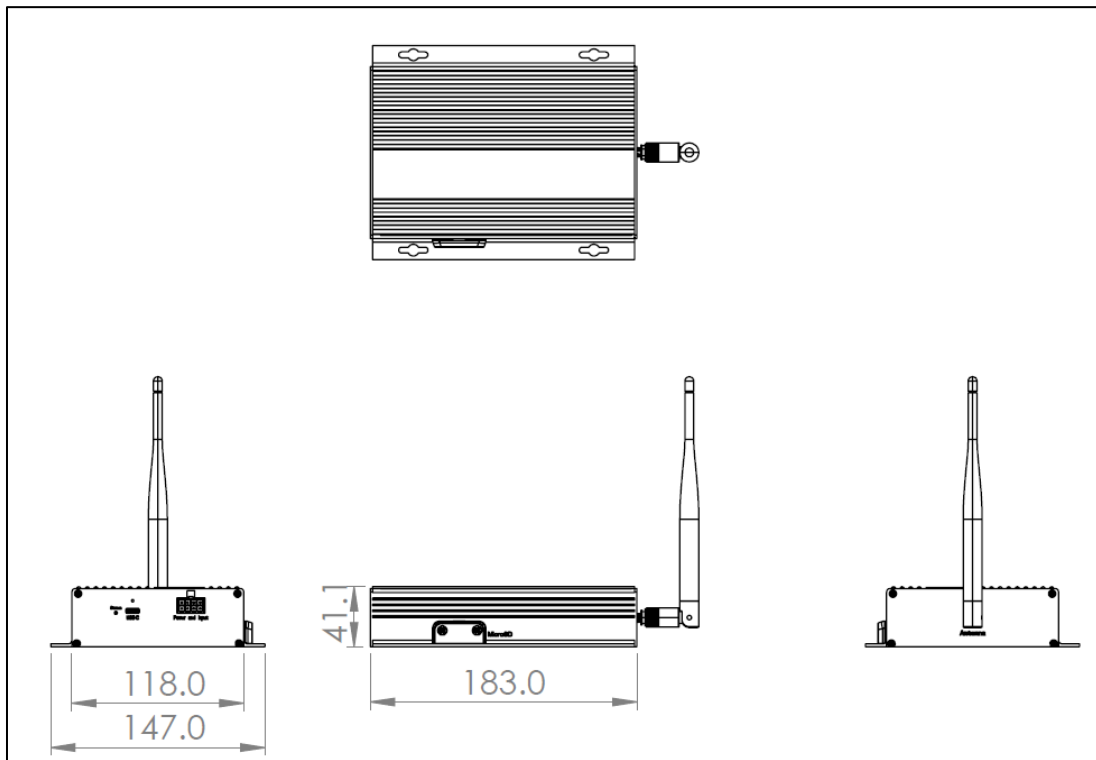
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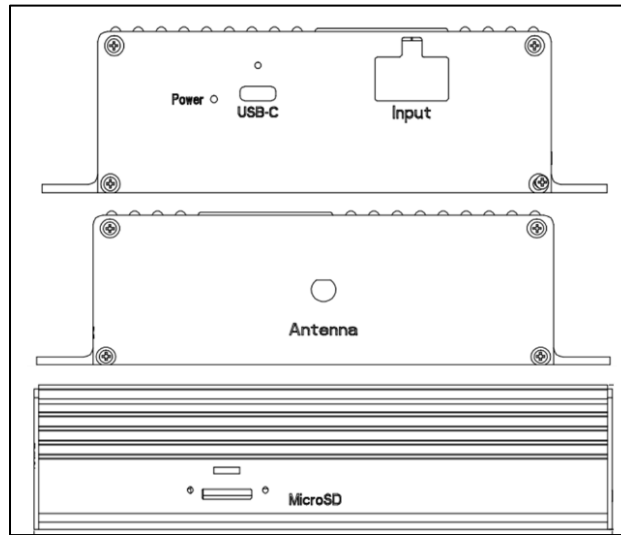
Specifications

Video Format Output	USB-UVC Class 1.1
Video Resolution Output	720P 30fps
Video Compression	H.264
Video Channel	Up to 4 x 1350RF wireless cameras
Supported Display Device	Android tablets, phones (with Android OS version 10 or later)
Support PD (Power Delivery) Charging	PD Profile 2.0/3.0 (max. 36W)
User Interface	Configuration via ConvoyAir APP
Video Recording	Continuous background recording using MicroSD card (all 4 channels)
Memory Storage (video recording)	MicroSD card, max. 128GB
Antenna	External 5dBi omnidirectional antenna (SMA female connector)
Effective RF range	150m (Open area, line-of-sight)
Operating frequency	2.4GHz (2410 - 2476 Mhz)
Image adjustment	Mirror / Flip, Contrast, Brightness, Saturation, Hue
Audio	Supported
Channel trigger	4 x trigger inputs (bare wires)
Reverse Grid lines	Yes
Supply voltage	9~36V
Operation Temperature	-20°C~+70°C,RH90%
Storage Temperature	-30°C~+80°C,RH90%

Dimensions

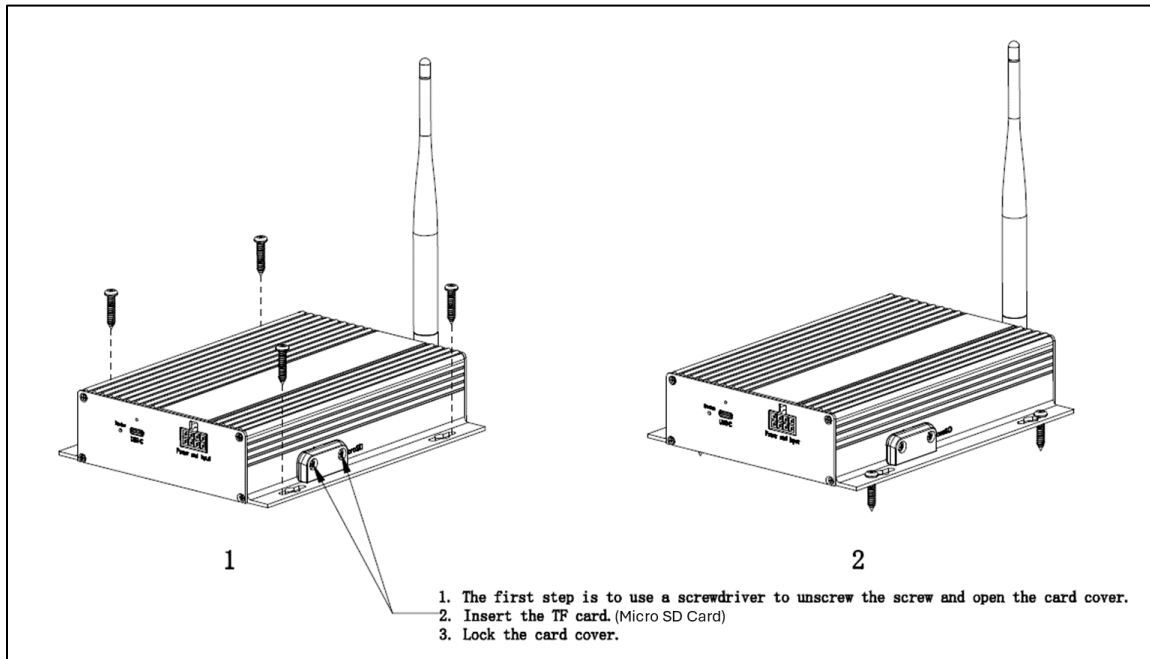


Installation



	Port	Description
1	Power	Power indicator light. Red = Power on, Green = Charging
2	USB-C	USB type-C connector. Support USB-UVC data transfer and PD 36W
3	Input	DC9-36V input, 4 trigger input
4	Antenna	2.4G 5dB Antenna
5	MicroSD	TF/MicroSD card Slot (Max 128GB)

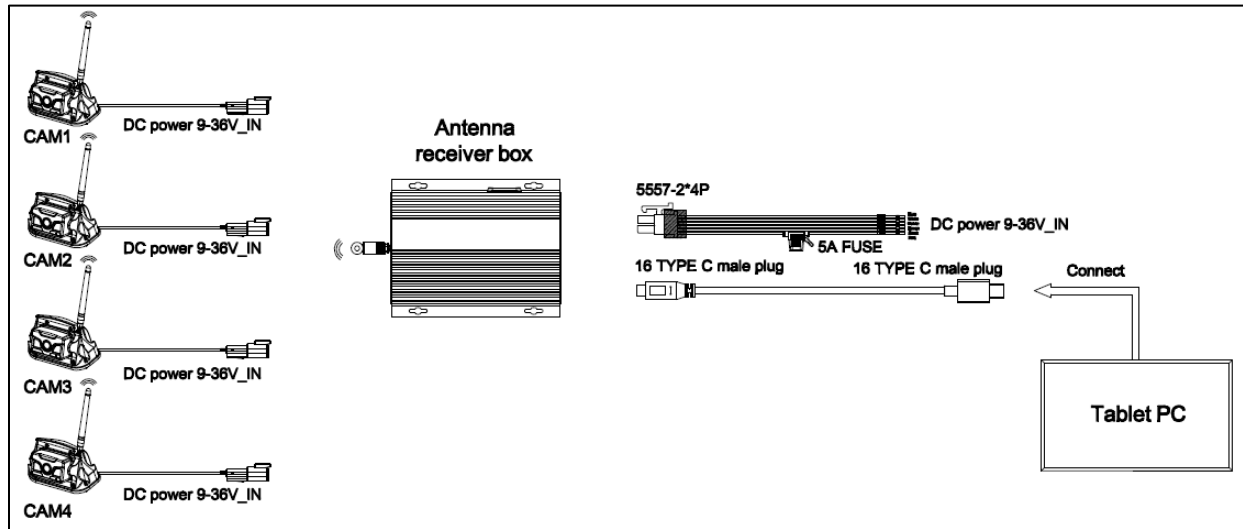
1. The device can be powered by a DC 9-36V car battery or vehicle electrical system.
2. When installing the wiring, ensure all cable connections are correct. Observe the polarity. Incorrect cable connections may damage the wireless receiver box. When you are not using the device, please unplug the Type-C connection from your phone or Samsung tablet.
3. The wireless receiver box supports Type-C PD2.0 compatible with PD3.0 fast charging devices for phones or Samsung tablets. It does not support PD1.0, which includes specifications of 5V/3A, 9V/3A, and 12V/3A with a maximum charging output power of 36W. The maximum power of the charging device must not exceed 36W; exceeding this may damage the wireless receiver box due to excessive load.
4. For generic phones or tablets, when fully charged, the display shows 100% and continues charging, with the charging lightning symbol continuously visible. For Samsung tablets or phones, after the charging display shows 100%, if it continues charging for a period, the charging lightning symbol on the screen may disappear. This is normal and indicates that the device is fully charged.



Accessories

			
Power cable harness	5dBi 2.4GHz antenna	USB type-C cable	Micro SD slot cover with screws

System Connection





FCC Compliance Statement:

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Warning: Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/ TV technician for help.

This equipment complies with RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20 cm between the radiator and your body.

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