FleetFusion AI

Enhancing Road Safety with
Advanced Video Telematics

FS-C6-2.0-S



AI-powered road-facing dashcam

This AI-powered driving recorder reduces accidents, enhances fleet efficiency with real-time alerts, provides location tracking, video playback, and remote intercom, while being reliable, easy to install, user-friendly, and cost-effective.

KEY FEATURES

Wide-angle road-facing lens
Captures up to 1080P HD recording.

Up to 2 x 512GB dual Micro SD card storage
Ensures simultaneous storage of both main and sub-stream videos.

Support for up to 2-channel video recording
Expands monitoring capabilities with additional video channels.

Built-in Wi-Fi and 4G communication module
Seamlessly integrates with fleet management systems.

Compact design with optional OBD power supply
Easy to install without obstructing the driver's line of sight.

AES256 data encryption for secure storage
Protects video/audio data with the highest security standards.

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KEY BENEFITS:

AI-Powered Real-Time Alerts

Instantly detects dangerous driving behaviors and provides alerts to prevent accidents before they happen.

Accurate Vehicle Location Tracking

Real-time GPS tracking ensures you always know where your vehicles are, improving fleet visibility and control.

High-Quality Video Playback

Seamless video playback for incident review and driver training, ensuring accountability and learning opportunities.

Remote Intercom Communication

Enables instant, high-quality communication between fleet managers and drivers to resolve issues on the go.

Easy Installation, Simple Operation

Designed for hassle-free installation with an optional OBD connector and intuitive operation, saving time and effort for fleet operators.

Cost-Effective and Reliable Solution

Affordable pricing with dependable performance, delivering long-term value and operational efficiency for fleets.

ADAS & DSM FUNCTIONS

ADAS FUNCTIONS



Lane Departure



Tailgating Detection



Forward Collision



Pedestrian Collision

DSM FUNCTIONS*



Driver Fatigue



Mobile Phone Usage



Smoking



Driver Distraction



No Driver Present



No Seat Belt Detection

When used with DSM accessory camera

SPECIFICATIONS TABLE

Full Specifications:

Feature	Specification
System	Embedded Linux
Language Options	Chinese, English, Spanish, Portuguese, French, Russian, Japanese (default: English). *Languages include interface language and voice prompts. TTS supports only Chinese and English.*
Video/Audio Recording	2 video channels (default 1), 1 audio channel
Max. Capability (with 2-channel AI)	2 AI channels: 1080P @ 25fps (ADAS) + 720P @ 20fps (DMS) 1 AI channel: 1080P @ 25fps (ADAS) + 1080P @ 20fps Recommended Configuration (1080P @ 20fps + 1080P @ 15fps)
Video Encoding	H.264/H.265 optional (default: H.265)
Audio Compression Standard	ADPCM/G.711/G.726 optional (default: ADPCM)
CBR/VBR	VBR/CBR optional (default: VBR)
Audio	Built-in MIC
Speaker	Built-in speaker, 3 W power, sound level not less than 70 dB at 3.28 ft (1 m) distance, adjustable volume

Road-Facing Lens:

Feature	Specification
Sensor Type	1/2.9" 2MP CMOS sensor
Shutter Speed	1/30 s-1/100000 s
Lens	4 mm focal length HFOV: 89°; VFOV: 46°; DFOV: 106°; Tolerance: ±5°

Minimum Illuminance	Color: 0.05Lux/F1.2
Lens Interface Type	Built-in lens
Wide Dynamic Range (WDR)	Digital WDR
Backlight Compensation	Supported
Signal-to-Noise Ratio (S/N)	≥48 db

LED Indicator Status:

Feature	Specification
Power Status Light	Off/Green Off: The device is not powered on Steady green: The device is powered normally
Alarm Indicator Light	Off/Red Off: The device has not generated an alarm Red Light Flashes Three Times: The device has generated an alarm
GPS Indicator Light	Off/Red Off: The device GPS positioning function is normal Steady red: The device GPS positioning function is abnormal (not positioned, module not connected, or module damaged) Flashing red (once per second): The device GPS quality is poor
Network Status Light	Off/Red Off: Indicates the device is connected to the server normally Steady red: Indicates the device connection to the server is abnormal Flashing red (once per second): Indicates the device has entered flight mode

Wi-Fi Status Light	Off/Red/Green Off: The device is in Disable or Client mode Steady green: The device is in AP mode Steady red: The device Wi-Fi is abnormal
Recording Status Light	Off/Red/Green Off: The built-in camera or extended camera recording status is normal Steady red: The built-in camera or extended camera recording has stopped (including privacy mode) or has a fault *Recording enable (main stream, sub-stream) is turned on, and it will alert if no recording is detected. Recording enable (main stream, sub-stream) is turned off and considered normal recording status*

Storage:

Feature	Specification
Micro SD Card	x 2 Micro SD card, (SDXC 32GB/64GB/128GB/256GB/512GB) Read/write rate: Class 10 or above is recommended

Sensor:

Feature	Specification
Six-axis Sensor	Harsh acceleration, harsh deceleration, harsh cornering, and collision detection
Ambient Light	Supports day-night switching for the cockpit camera

Port:

Feature	Specification
RS232	1-channel. Supports RS232 or CAN, one of the two options, default: RS232
I/O Port	2-channel inputs, 1 output

CAN	1-channel (supports standard J1939 protocol) Warning: Since vehicle manufacturers may customize some data fields, the actual data available is subject to practical testing. If the required data is not supported, a protocol can be provided for integration development. Supports RS232 or CAN, one of the two options, default: RS232
USB	1 channel, mini USB interface
Button	1 button Press twice within 2 seconds to switch Wi-Fi to AP mode *For other button functions, refer to the product user manual*

Network:

Feature	Specification
Wi-Fi	Support 2.4G (IEEE Std.802.11a/IEEE Std.802.11b/ IEEE Std.802.11g /IEEE Std.802.11n)
4G	Plug-in SIM card (Nano SIM card) • For North America: LTE FDD: B2/B4/B5/B12/B13/B14/B66/B71 WCDMA: B2/B4/B5 • For Europe and Asia: LTE FDD: B1/B3/B7/B8/B20/B28A WCDMA: B1/B8 GSM: B3/B8 • For Latin America: LTE FDD: B1/B2/B3/B4/B5/B7/B8/B28 LTE TDD: B40 WCDMA: B1/B2/B5/B8 GSM: B2/B3/B5/B8

Warning: *The industrial SIM card (MP2) is required, and the ordinary SIM card (MP1) is prohibited. We are not responsible for any problem caused by the use of any ordinary SIM card.*

Positioning:

Feature	Specification
GNSS	Supported GPS L1 1575.42MHz GALILEO E1B/C1 GLONASS L1OF 1602MHz SBAS: WAAS, EGNOS, MSAS, GAGAN

Power Related:

Feature	Specification
Power Supply	12V and 24V vehicles (self-adaptive)
Power Consumption	• Device standby: 13.5V @ 4mA, 27V @ 2mA • Device sleep (only 4G, GPS, MCU powered): 13.5V @ 27mA, 27V @ 13mA Typical power consumption (dual SD card installed, SIM card installed and dialing): approximately 7W • Full load power consumption (dual SD card installed, SIM card installed and dialing, Wi-Fi on, infrared light on): approximately 11W *All data are tested under specific laboratory conditions and may vary due to individual product differences, usage environments, and testing methods*

Environment:

Feature	Specification
Operating Temperature	-40°C ~ +70°C (-40°F ~ +158°F)
Storage Temperature	-40°C ~ +85°C (-40°F ~ +185°F)
Operating Humidity	15~95% non-condensing
Storage Humidity	15~95% non-condensing

Protection Level	IP30 *The main unit is not waterproof

Dimensions and Weight:

Feature	Specification
Dimensions L×W×H	Dashcam: 4.59" × 2.67" × 3.12" (116.5 mm x 67.8 mm x 79.2 mm)
Weight	Net weight (device only): 0.598 lbs (271 g) Gross weight (including accessories and package): 1.268 lbs (575 g) Deviation: 0.022 lbs (±10 g)

Note: *The actual dimensions and weight may vary with the individual product differences, manufacturing processes, and testing methods.*

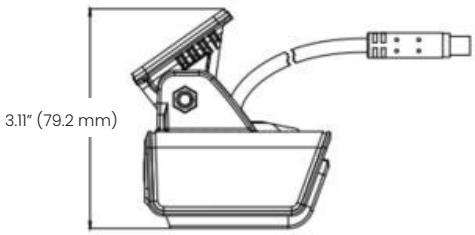
PACKAGING CONTENTS

- **FS-C6-2.0-S Dashcam** ×1
- **Standard Power Cable** ×1
- **Allen Key** ×1
- **Mounting Bracket** ×1
- **Bracket Bolt** ×1
- **Removal Tool** ×1
- **Alcohol Cleaning Wipe** ×1

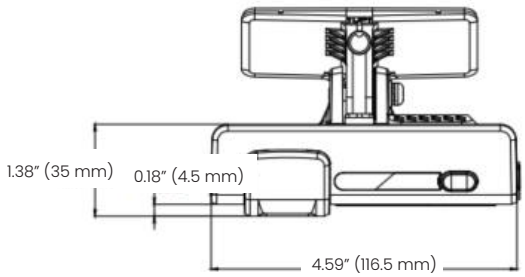
Note: *The configuration may vary by region.*

PRODUCT DIMENSIONS

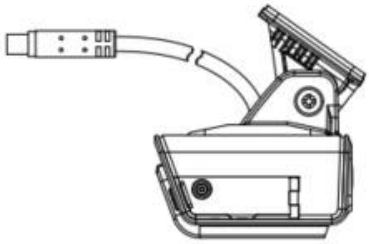
Left view



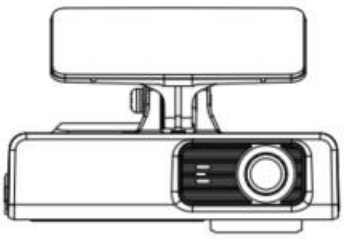
Front view



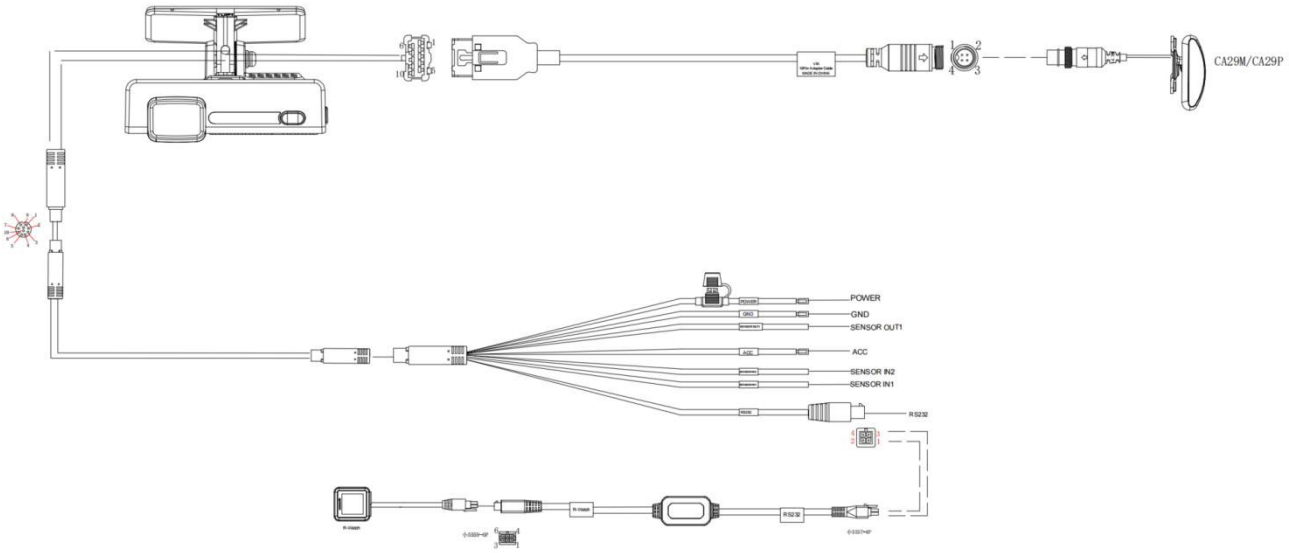
Right view



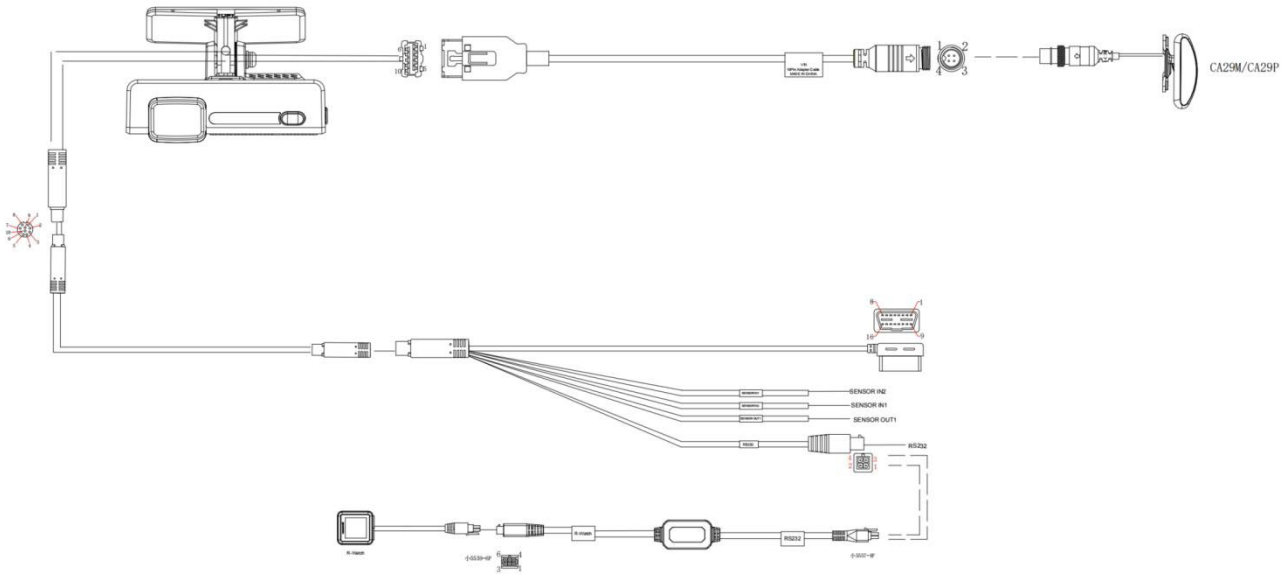
Rear view



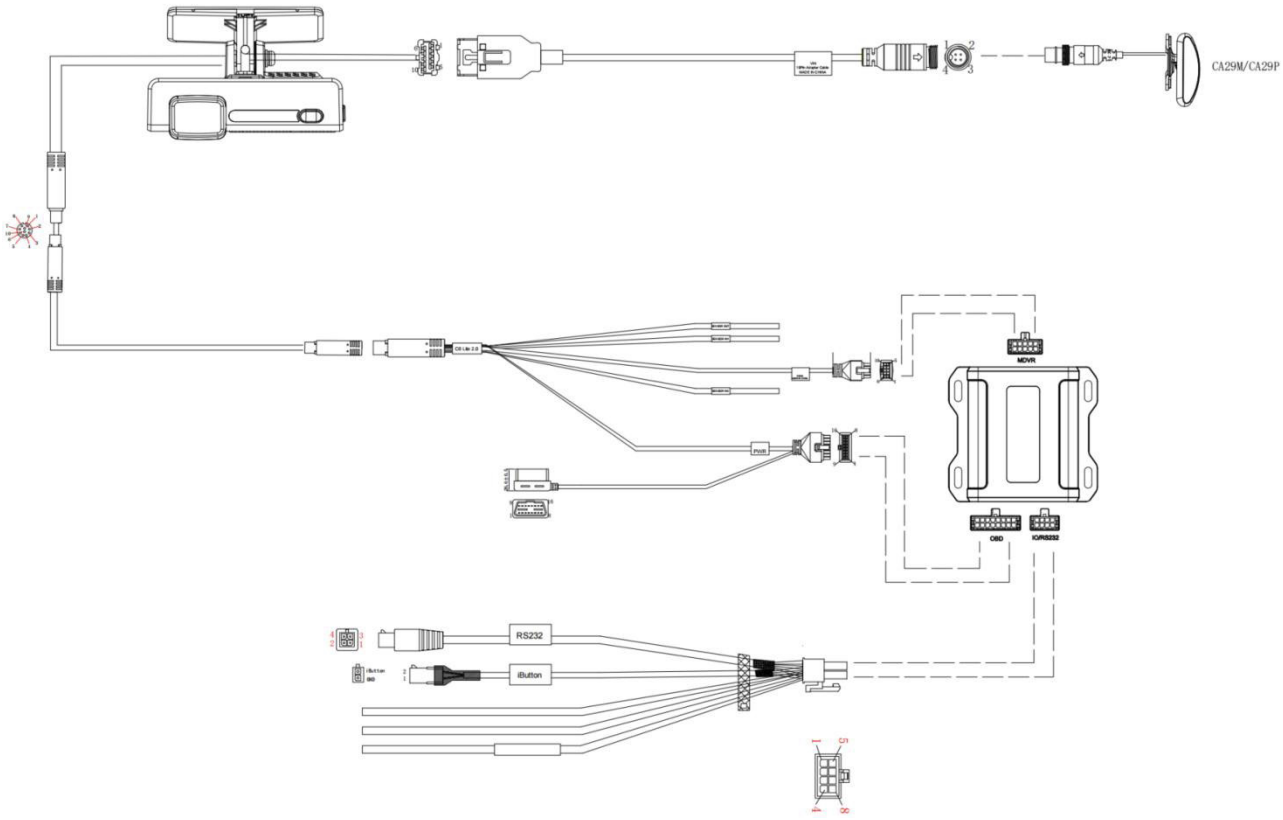
ACC POWER CONNECTION SYSTEM DIAGRAM



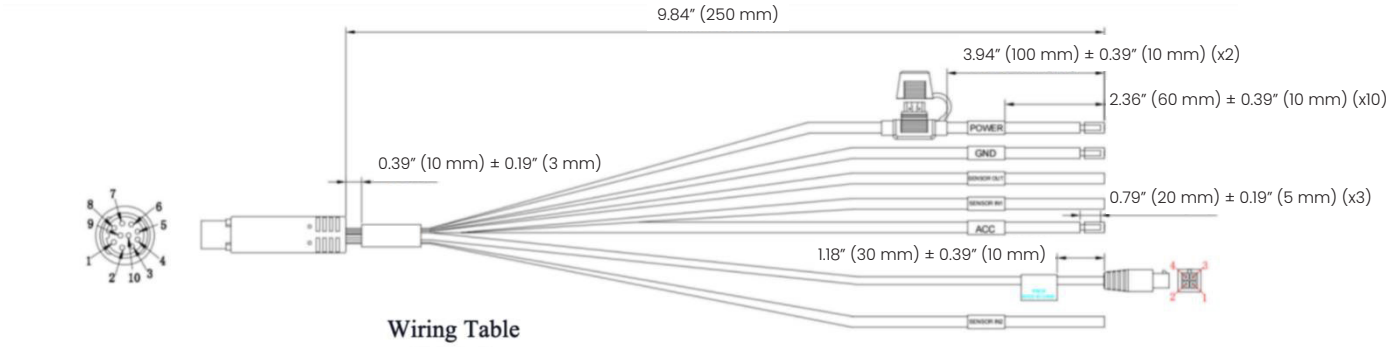
OPTIONAL OBD POWER CONNECTION SYSTEM WIRING DIAGRAM



CONNECTION TO PBP SYSTEM WIRING DIAGRAM



ACC CONNECTION WIRE INTERFACE DEFINITION

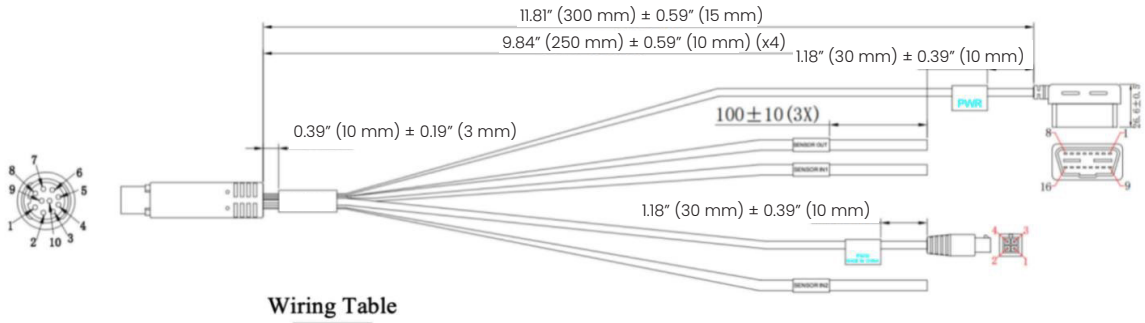


Wiring Table

		Suspension wire	10P BMW male port	
Half Stripped	ACC	Orange wire	1	0.35 mm²
SENSOR	OUT	Blue wire	2	0.35 mm²
SENSOR	IN2	Green-yellow wire	5	0.35 mm²
SENSOR	IN1	Grey wire	6	0.35 mm²
Half Stripped	POWER	Red wire (3A Fuse Box)	10	0.5 mm²
Half Stripped	GND	Black wire	9	0.5 mm²

Small 5559-4P		10P BMW male port	
Black wire	4	9	GND
Red wire	1	3	+12V
White wire	2	7	RX (L)
Yellow wire	3	8	TX (H)

OBD CONNECTION WIRE INTERFACE DEFINITION



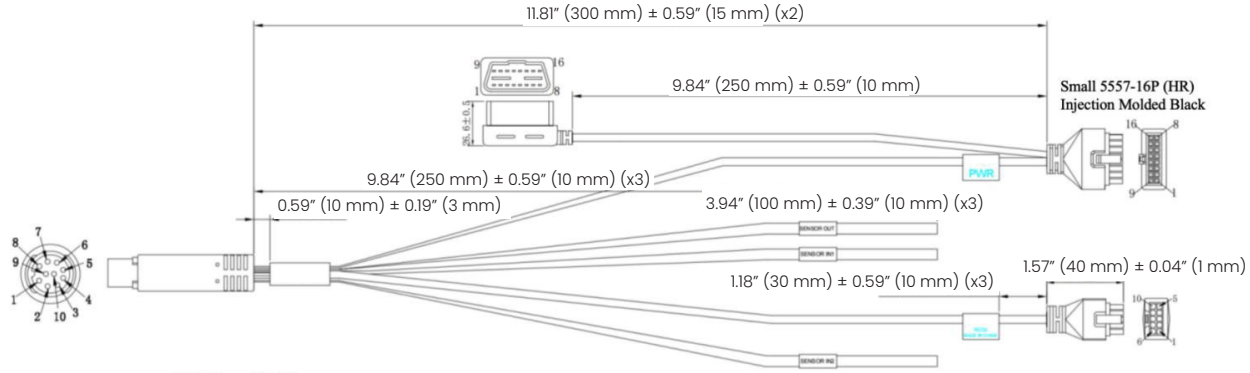
Wiring Table

	Suspension wire	10P BMW male port	
SENSOR OUT	Blue wire	2	0.35 mm²
SENSOR IN2	Green-yellow wire	5	0.35 mm²
SENSOR IN1	Grey wire	6	0.35 mm²

16P OBD plug		10P BMW male port
POWER	Red wire 16 (3A self-resetting fuse)	10
GND	Black wire 4+5	9+4

Small 5559-4P		10P BMW male port	
Black wire	4	9	GND
Red wire	1	3	+12V
White wire	2	7	RX (L)
Yellow wire	3	8	TX (H)

PBP CONNECTION WIRE INTERFACE DEFINITION



Wiring Table

	Suspension wire	10P BMW male plug	
SENSOR OUT	Blue wire	2	0.35mm²
SENSOR IN2	Green-yellow wire	5	0.35mm²
SNESOR IN1	Grey wire	6	0.35mm²
	16P OBD plug	10P BMW male plug	
POWER	Red wire 16	3A self-resetting fuse	10
GND	Black wire 4+5		9+4
	Small 5557-10P	10P BMW male plug	
	Black wire 7	9	GND
TX	Red wire 8	7	RX (L)
RX	Yellow wire 9	8	TX (H)

Wiring Table

	Small 5557-16P	16P OBDII male plug		
J1850 bus	Orange wire	1	2	
CAN1-H	Yellow wire	2	3	
CAN0-H	Blue wire	3	6	
L-LINE	Green wire	4	15	
J1708 bus	Brown wire	5	12	
GND	Black wire 7+8		4	22AWG
J1850 bus	Orange-white wire	9	10	
CAN1-L	White wire	10	11	
CAN0-L	Blue-white wire	11	14	
J1708 bus	Brown-white wire	12	13	
K-LINE	Green-white wire	13	7	
12V	Red wire 15	5A self-resetting fuse	16	22AWG
GND	Black wire	16	5	22AWG

AUDIO/VIDEO EXTENSION WIRE INTERFACE DEFINITION



Wiring Table

Great Wall 10P male plug		RS765-4 Aviation male plug VIN
8	4 (VIN)	Yellow wire
3	2 (GND)	Black wire + shielding
10	1 (+12V)	Red wire
Jacket	Jacket	Shielding

SPECIAL INSTRUCTIONS

Professional installation is required to prevent risks like electric shock, wiring damage, AI issues, or detachment, and avoid touching sun-exposed surfaces as temperatures can exceed 60°C.

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