



USER MANUAL

VIA Mobile360 M810

Fanless ultra-compact
in-vehicle solution for flexible 360°
SVS, ADAS and DMS configurations



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This equipment has been tested and found to comply with the limits for a class A digital device, pursuant to part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference, in which case the user will be required to correct the interference at his personal expense.

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Notice 2

Shielded interface cables and A.C. power cord, if any, must be used in order to comply with the emission limits.

Notice 3

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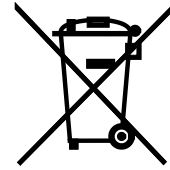


Tested To Comply
With FCC Standards
FOR HOME OR OFFICE USE



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- Only use the appropriate battery specified for this product.
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- Do not attempt to force open the battery.
- Do not discard used batteries with regular trash.
- Discard used batteries according to local regulations.



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- Always read the safety instructions carefully.
- Keep this User's Manual for future reference.
- All cautions and warnings on the equipment should be noted.
- Keep this equipment away from humidity.
- Put this equipment on a reliable flat surface before setting it up.
- Check the voltage of the power source and adjust to 110/220V before connecting the equipment to the power inlet.
- Do not place the power cord where people will step on it.
- Always unplug the power cord before inserting any add-on card or module.
- If any of the following situations arise, get the equipment checked by authorized service personnel:
 - The power cord or plug is damaged.
 - Liquid has entered into the equipment.
 - The equipment has been exposed to moisture.
 - The equipment is faulty or you cannot get it work according to User's Manual.
 - The equipment has been dropped and damaged.
 - The equipment has an obvious sign of breakage.
- Do not leave this equipment in extreme temperatures or in a storage temperature above 70°C (158°F). The equipment may be damaged.
- Do not leave this equipment in direct sunlight.
- Never pour any liquid into the opening. Liquid can cause damage or electrical shock.
- Do not place anything over the power cord.
- Do not cover the ventilation holes. The openings on the enclosure protect the equipment from overheating.

Box Contents

- 1 x VIA Moblie360 M810 system
- 2 x Phoenix plug to DC jacks (DC-in & DC-out)
- 1 x COM cable (for debugging)
- 1 x GPS antenna
- 2 x Wi-Fi/BT antennas

Ordering Information

Part Number	Description
M360-810-1Q20A1	Fanless mobile system with 2.054GHz Qualcomm® APQ8096A Embedded Processor, 4GB LPDDR4 SDRAM, HDMI, 2 USB 3.0, Micro USB 2.0 (debugging), DIO, COM, 2 CAN bus, Gigabit Ethernet, 6 FAKRA connectors for camera-in, Wi-Fi, Bluetooth 4.1, GPS, Micro SD card slot, 2 M.2 slots, 12V DC-out, 9~36V DC-in with IGN

Optional Accessories

Camera and Accessories

Part Number	Description
99G40-08075Z	1.0MP FOV-40 720p CMOS automotive-grade camera
99G40-08074Z	1.0MP FOV-190 720p CMOS automotive-grade camera
99G33-230396	10M FAKRA cable
99G33-230406	15M FAKRA cable

Display Accessories

Part Number	Description
99G73-01034C	10" Resistive touch monitor (1280x800)
99G73-01030C	7" Resistive touch monitor (1280x800)

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1. Product Overview

The VIA Mobile360 M810 is a fanless ultra-compact in-vehicle solution for flexible 360° SVS, ADAS, and DMS configurations. With support for up to six automotive-grade camera streams, it delivers real-time in-vehicle 360° video monitoring and recording, combined with additional ADAS and DMS features.

Its ruggedized design has been optimized for the most demanding on-road and off-road conditions, the VIA Mobile360 M810 provides a flexible, high-performance solution for a wide variety of applications including Freight Transportation, Delivery, Construction, Industrial, Mining, Agriculture and Forestry, as well as Refuse Collection, Armored Cars, Secure Freight Shipping, Buses and Coaches.

The VIA Mobile360 M810 is powered by the Qualcomm® APQ8096A Embedded Processor, which features two high-performance Kryo™ cores at up to 2.054GHz, and two low-power Kryo cores at up to 1.593GHz. It combines advanced computing, graphics and AI processing performance, rich connectivity options, and I/O peripheral integration capabilities in an ultra-compact fanless system.

Measuring just 236.7mm (W) x 46mm (H) x 180mm (D), the system integrates a rich set of I/O features through the front and back panels of its ultra-compact chassis. These include a HDMI port, two USB 3.0 ports, Gigabit Ethernet, two CAN bus ports, six FAKRA connectors for camera-in, and a Micro SD card slot. Other features include 4GB LPDDR4 SDRAM, 16GB eMMC flash memory, a SIM card slot, DIO, COM, and a headphone and mic-in ports.

The VIA Mobile360 M810 combines high-performance computing with low power consumption, and has a built-in power management system that protects from power surges – guarding against damage from transient vehicle power delivery. The power management system is capable of handling a wide range of DC power inputs, from 9~36V.

1.1 Key Features

1.1.1 High-Performance

The VIA Mobile360 M810 system is powered by a Qualcomm® APQ8096A Embedded Processor that provides a full range of rich features including superb multi-tasking performance that delivers consistent performance for a host of connected device applications.

1.1.2 Fanless, Compact, Ruggedized Chassis

The VIA Mobile360 M810 delivers fanless operation in a sealed metal chassis. The compact chassis design makes it suitable for installations in space-critical environments, while also ensuring maximum reliability.

1.1.3 Optimized Integration with Multiple I/O Access

With front and back panel I/O access, the VIA Mobile360 M810 can be easily configured to support a wide variety of applications with easy integration, and quick setup.

1.1.4 Multiple Camera Support

The VIA Mobile360 M810 is equipped with six FAKRA camera connectors, making it ideal for in-vehicle 360° SVS, DMS, and ADAS applications.

1.1.5 Support for a Wide Range of Power Sources

The VIA Mobile360 M810 supports a wide range of input power, from 9V to 36V DC. Flexible power input enables the VIA Mobile360 M810 to be deployable in a broad variety of automation environments.

1.1.6 Storage Expansion

The VIA Mobile360 M810 has 16GB of eMMC flash storage onboard, and features a Micro SD card slot supporting an additional 32GB.

1.1.7 Networking Support

The VIA Mobile360 M810 is equipped with Wi-Fi/BT, GPS, 4G (factory option), and an RJ-45 port that provides high-speed Gigabit Ethernet.

1.1.8 Multiple Mounting Solutions

The VIA Mobile360 M810 supports multiple methods for secure chassis mounting. The rugged VIA Mobile360 M810 can be mounted on the side-panel of a car, floor bed, or any flat surface.

1.1.9 Embedded Operating System Ready

The VIA Mobile360 M810 features a complete software evaluation image based on Yocto 2.3.

1.2 Product Specifications

Processor

- Qualcomm® APQ8096A Embedded Processor
 - Two high-performance Kryo cores up to 2.054GHz
 - Two low power Kryo cores up to 1.593GHz

System Memory

- 4GB LPDDR4 SDRAM

Storage

- 16GB eMMC flash memory
- 2 x M.2 SATA slots

Graphics

- Qualcomm® Adreno™ 530 GPU
 - 3D graphics accelerator with 64-bit addressing 624MHz
 - Graphics engine supporting OpenGL ES 3.1/GEP, GL4.4, DX11.3/4, OpenCL 2.0, Renderscript-Next
 - Supports H.264, VP8, HEVC 8/10-bit, VP9 video decoding up to: 4K@60fps, 1080p@240fps, 8 x 1080p@30fps

Camera-in Interface

- 2 x DS90UB964-Q1 Quad FPD-Link III deserializer Hub

LAN

- RTL8111G Ethernet Controller

Wireless Connectivity

- AMPAK AP12356_I MiniPCIe WiFi/BT 4.1 module
- MAX-M8Q-0-10 u-blox 8 GNSS module

Audio

- TI 6PAIC3104IRHBRQ1 Audio Codec

HDMI

- Integrated HDMI 2.0 transmitter

Expansion I/O

- 1 x MiniPCIe slot (USB only) for 4G module
- 1 x MiniPCIe slot (PCIe/USB) for WiFi/BT module

Front Panel I/O

- 2 x USB 3.0 ports
- 1 x Micro USB 2.0 port (for debugging)
- 1 x Micro SD card slot
- 1 x SIM card slot (optional)
- 1 x Power button

Back Panel I/O

- 1 x HDMI port
- 1 x DIO port
- 1 x COM port
- 2 x CAN bus ports (supports up to five CAN bus)
- 1 x Gigabit Ethernet port
- 6 x FAKRA connectors for camera-in
- 1 x Headphone/Mic-in port
- 3 x Antenna connectors for Wi-Fi/BT, GPS, and 4G (factory option)
- 1 x 4-pole Phoenix 9~36V DC-in
- 1 x 2-pole Phoenix 12V DC-out

Power Supply

- 9~36V DC-in with IGN

Operating System

- Yocto 2.3

Operating Temperature

- -20°C ~ 70°C

Storage Temperature

- -20°C ~ 70°C

Operating Humidity

- 0~95% (non-condensing)

Vibration Loading During Operation

- ISO-16750-3 compliance

Shock During Operation

- ISO-16750-3 compliance

Mechanical Construction

- Metal chassis housing

Dimensions

- 236.7mm (W) x 46mm (H) x 180mm (D) (9.32" x 1.81" x 7.09")

Weight

- 2.2kg (4.85lbs)

Compliance

- CE, FCC



Notes:

1. As the operating temperature provided in the specifications is a result of testing performed in a testing chamber, a number of variables can influence this result. Please note that the working temperature may vary depending on the actual situation and environment. It is highly recommended to execute a solid testing program and take all variables into consideration when building the system. Please ensure that the system is stable under at the required operating temperature in terms of application.
2. Please note that the lifespan of the onboard eMMC/UFS memory chip may vary depending on the amount of access. More frequent and larger data access on the eMMC memory will shorten lifespan. Therefore, it is highly recommended to use replaceable external storage (e.g., SD card) for large data access.

1.3 Layout Diagram

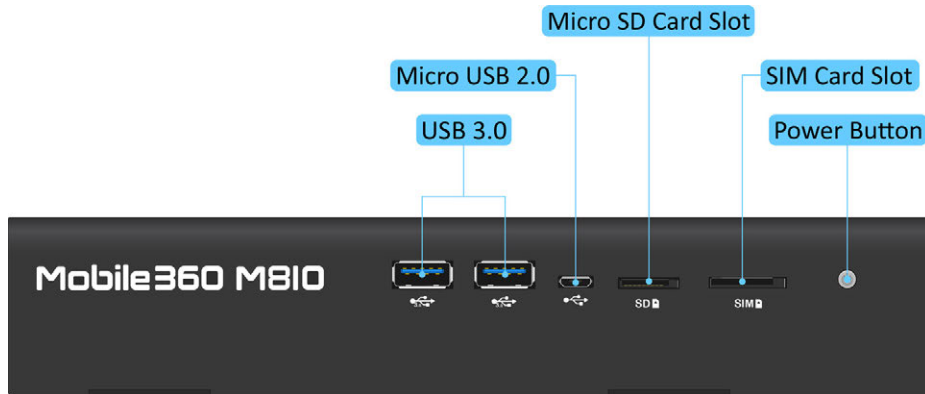


Figure 1: Front panel I/O layout

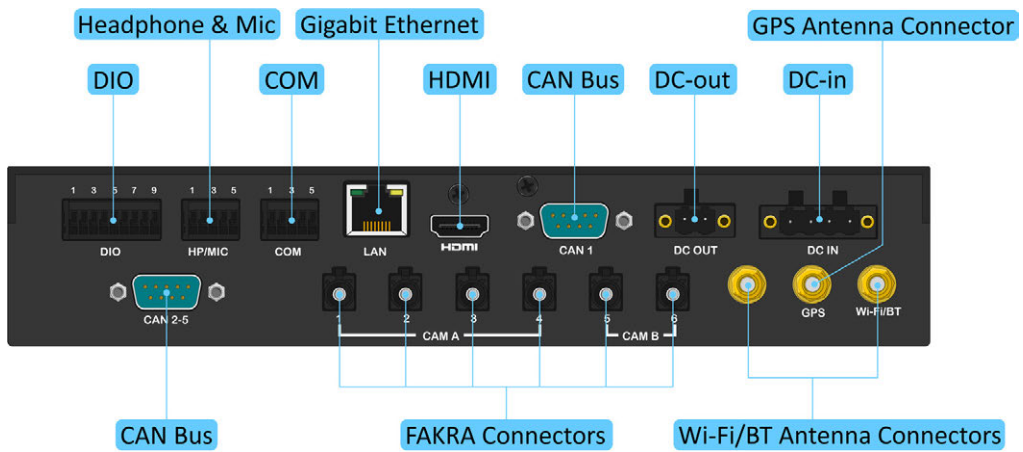


Figure 2: Back panel I/O layout (default)

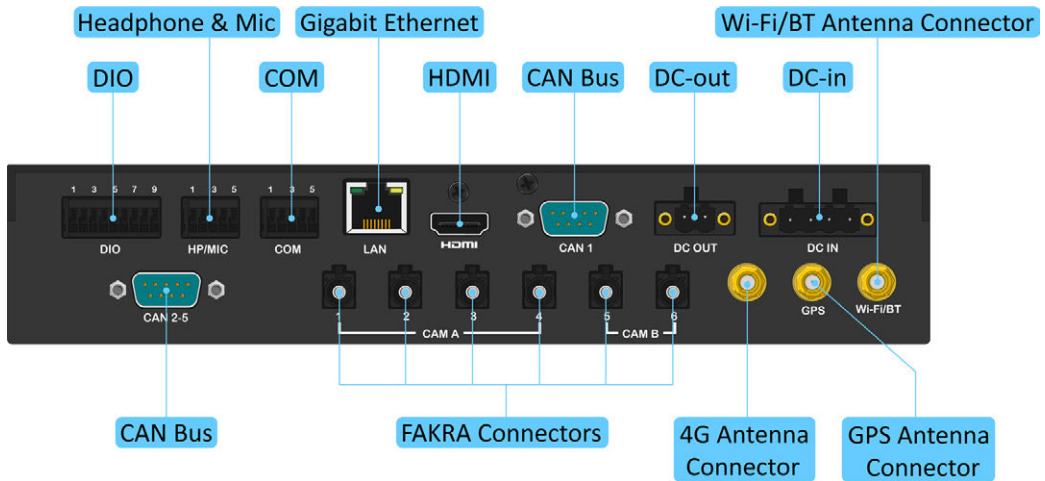


Figure 3: Back panel I/O layout (factory option)

1.4 Product Dimensions



Figure 4: Dimensions of the VIA Mobile360 M810 (front view)

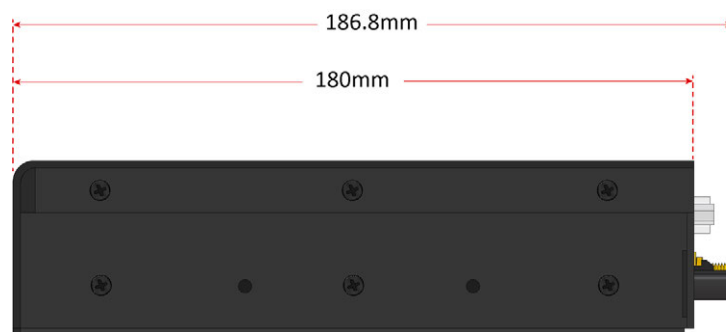


Figure 5: Dimensions of the VIA Mobile360 M810 (side view)

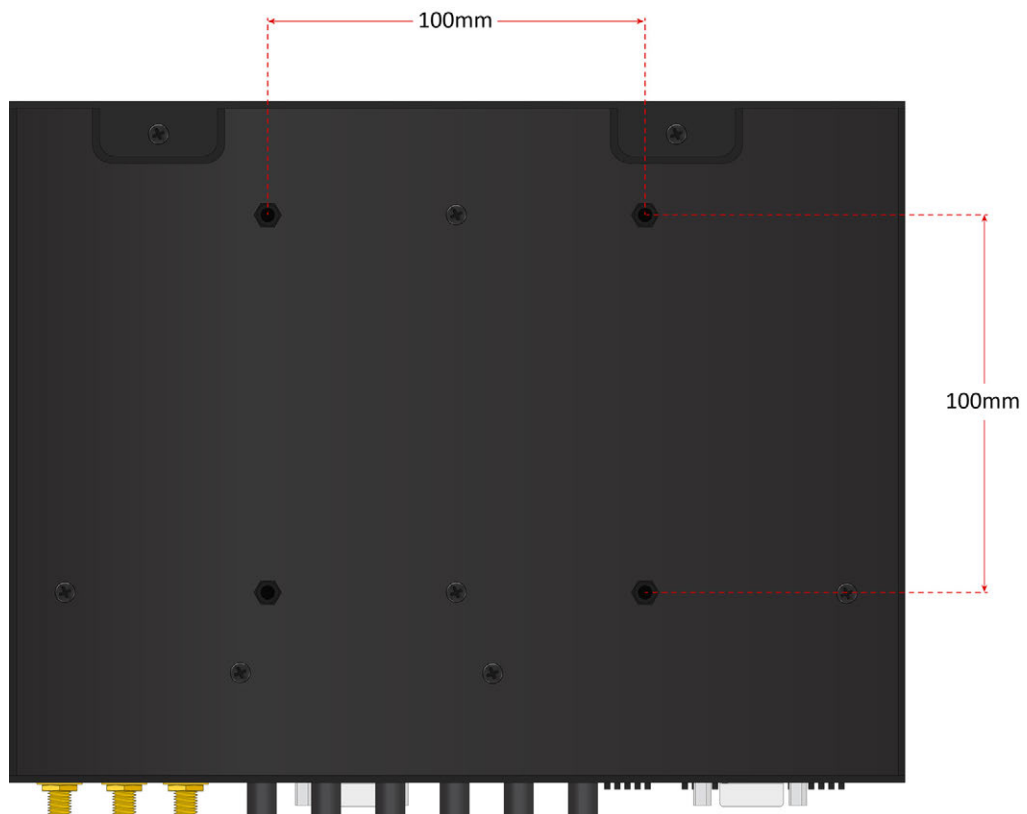


Figure 6: Dimensions of the VIA Mobile360 M810 (bottom view)

2. External I/O Pin Descriptions and Functionality

The VIA Mobile360 M810 has a wide selection of interfaces, and includes a selection of frequently-used ports as part of the external I/O coastline.

2.1 HDMI® Port

The VIA Mobile360 M810 is equipped with one HDMI port on the back panel. A HDMI port Type A receptacle connector provides connection to High Definition video and digital audio using a single cable. The pinouts of the HDMI port are shown below.

Pin	Signal	Pin	Signal
1	D2+	11	GND
2	GND	12	CLK-
3	D2-	13	CEC
4	D1+	14	NC
5	GND	15	DDC_CLK
6	D1-	16	DDC_DATA
7	D0+	17	GND
8	GND	18	HDMI_5V
9	D0-	19	PLUG_DET
10	CLK+		



Figure 7: HDMI port diagram

Table 1: HDMI port pinouts

2.2 USB 3.0 Ports

The VIA Mobile360 M810 is equipped with two USB 3.0 ports on the front panel. Each USB 3.0 port has a maximum data transfer rate of up to 5Gbps and is backwards compatible with the USB 2.0 specification. The USB ports provides complete Plug and Play and hot swap capabilities for external devices. The pinouts of the USB 3.0 ports are shown below

Pin	Signal
1	VBUS
2	D-
3	D+
4	GND
5	RX-
6	RX+
7	GND
8	TX-
9	TX+



Figure 8: USB 3.0 port diagram

Table 2: USB 3.0 port pinouts

2.3 Micro USB 2.0 Port

The VIA Mobile360 M810 is equipped with one Micro USB 2.0 port located on the front panel. The Micro USB 2.0 port supports OTG (On-The-Go) for debugging. The pinouts of the Micro USB 2.0 port are shown below.

Pin	Signal
1	VBUS
2	D-
3	D+
4	ID
5	GND

Table 3: Micro USB 2.0 port pinouts



Figure 9: Micro USB 2.0 port diagram

2.4 Micro SD Card Slot

The VIA Mobile360 M810 comes with a Micro SD card slot located on the front panel with support for a maximum storage capacity of 32GB. The pinouts of the Micro SD card slot are shown below.

Pin	Signal
1	SD_DAT2
2	SD_DAT3
3	SD_CMD
4	VDD
5	SD_CLK
6	GND
7	SD_DAT0
8	SD_DAT1
9	SD_CD-

Table 4: Micro SD card slot pinouts



Figure 10: Micro SD card slot diagram

2.5 SIM Card Slot

The VIA Mobile360 M810 comes with an optional SIM card slot located on the front panel that supports 4G SIM cards. SIM card usage on the VIA Mobile360 M810 requires that a 4G module is installed in the miniPCIe slot, enabling the 4G functionality, otherwise the SIM card slot will be disabled. The SIM card slot is designed for use with 4G modules that do not support built-in SIM card slots. The pinouts of the SIM card slot are shown below.

Pin	Signal
1	VSIM_VCC
2	GND
3	VSIM_RST
4	VSIM_VCC
5	VSIM_CLK
6	VSIM_DATA
7	GND
8	NC

Table 5: SIM card slot pinouts



Figure 11: SIM card slot diagram

2.6 Gigabit Ethernet Port

The VIA Mobile360 M810 comes with one Gigabit Ethernet port on the back panel which uses an 8 Position and 8 Contact (8P8C) receptacle connector commonly known as RJ-45. It is fully compliant with the IEEE 802.3 (10BASE-T), 802.3u (100BASE-TX), and 802.3ab (1000BASE-T) standards. The pinouts of the Gigabit Ethernet port are shown below.

Pin	Signal
1	TX1+
2	TX1-
3	TX2+
4	TX2-
5	TX3+
6	TX3-
7	TX4+
8	TX4-

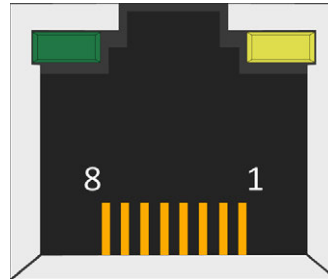


Figure 12: Gigabit Ethernet port diagram

Table 6: Gigabit Ethernet port pinouts

The Gigabit Ethernet port (RJ-45) is equipped with two LED indicators on the front side to show its Active/Link status and Speed status.

	Active LED (Left LED on RJ-45 port)	Link LED (Right LED on RJ-45 port)
Link off	LED is off	LED is off
Speed_10Mbit	Green flash	LED is off
Speed_100Mbit	Red flash	LED is off
Speed_1000Mbit	LED is off	Orange flash

Table 7: Gigabit Ethernet port LED color definition

2.7 CAN Bus Ports

The VIA Mobile360 M810 is equipped with two CAN bus ports located on the back panel labeled as "CAN bus 1" and "CAN bus 2-5". The CAN bus 1 port supports one CAN bus and one debug COM (TX/RX) for debugging. The CAN bus 2-5 port supports up to four CAN bus connections. Each CAN bus ports supports protocol specification Version 2.0 B. The pinouts of the CAN bus ports are show below.

CAN bus 1 port		CAN bus 2-5 port	
Pin	Signal	Pin	Signal
1	RS232_TXD	1	CANL_P2
2	CANL	2	CANL_P1
3	GND	3	GND
4	GND	4	CANH_P2
5	GND	5	CANL_P3
6	GND	6	CANH_P3
7	CANH	7	CANH_P1
8	RS232_RXD	8	CANL_P4
9	VDD12V_OUT/1A	9	CANH_P4

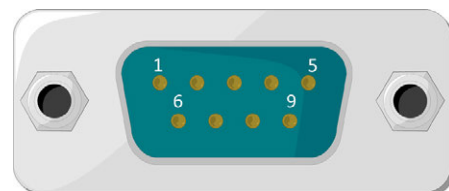


Figure 13: CAN bus port diagram

Table 8: CAN bus ports pinouts

2.8 DIO Port

The VIA Mobile360 M810 is equipped with a DIO port located on the back panel. The DIO port offers a Digital I/O communication interface to support 8-bit GPIO. The pinouts of the DIO port are shown below.

Pin	Signal
1	GPO0
2	GPO1
3	GPO2
4	GPO3
5	GPI0
6	GPI1
7	GPI2
8	IGN
9	DIO_GND

Table 9: DIO port pinouts



Figure 14: DIO port diagram

2.9 Headphone and Mic-in Port

The VIA Mobile360 M810 is equipped with a Headphone and Mic-in port located on the back panel. The Headphone and Mic-in port is for connecting external speakers such as a headphone or a microphone. The pinouts of the Headphone and Mic-in port are shown below.

Pin	Signal
1	MIC1
2	Jack_det
3	HPH_GND_SENSE_CONN
4	CDC_HPH_R_CONN
5	CDC_HPH_L_CONN

Table 10: Headphone and Mic-in port pinouts

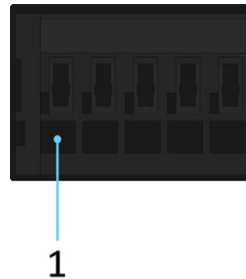


Figure 15: Headphone and Mic-in port diagram

2.10 COM Port

The VIA Mobile360 M810 is equipped with a COM port located on the back panel which supports TX/RX for debugging. The pinouts of the COM port are shown below.

Pin	Signal
1	TX
2	RX
3	GND
4	+5V
5	+12V

Table 11: COM port pinouts

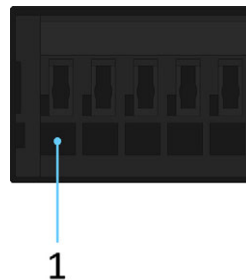


Figure 16: COM port diagram

2.11 FAKRA Connectors

The VIA Mobile360 M810 is equipped with six FAKRA connectors located on the back panel. The FAKRA connectors are for FOV-40 and FOV-190 automotive-grade cameras. The pinouts of the FAKRA connector are shown below.

Pin	Signal
1	RIN_P
2	GND

Table 12: FAKRA connector pinouts

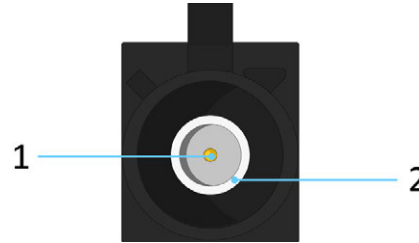


Figure 17: FAKRA connector diagram

2.12 Power Button

The VIA Mobile360 M810 comes with a power button that supports two functions: System Suspend/Resume and Power On/Off. The diagram of the power button is shown below.



Figure 18: Power button diagram

Power button behavior	
Suspend/Resume System	Quickly press the power button once to suspend. While in suspend mode quickly press once to resume.
Power On/Off	Occurs when the power button is pressed for longer than 3 seconds.

Table 13: Power button behavior description

2.13 DC-in Jack

The VIA Mobile360 M810 integrates a 4-pole Phoenix DC-in jack that carries 9~36V DC external power input. The pinouts of the 4-pole Phoenix DC-in jack are shown below.

Pin	Signal
1	DC-IN
2	DC-IN
3	GND
4	GND

Table 14: DC-in jack pinouts



Figure 19: DC-in jack diagram

2.14 DC-out Jack

The VIA Mobile360 M810 integrates a 2-pole Phoenix DC-out jack that provides 12V DC power output. The pinouts of the 2-pole Phoenix DC-out jack are shown below.

Pin	Signal
1	DC_OUT 12V/2A
2	DC-IN

Table 15: DC-out jack pinouts

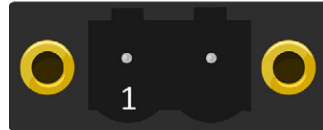


Figure 20: DC-out jack diagram

2.15 Antenna Connectors

The VIA Mobile360 M810 is equipped with three antenna connectors located on the back panel. Two antenna connectors are used for Wi-Fi/BT and 4G (optional) antennas, while a third antenna connector can be used as a GPS antenna. The Wi-Fi/BT, 4G and GPS antenna connectors diagrams are shown below.



Figure 21: WiFi/BT/4G antenna connector diagram

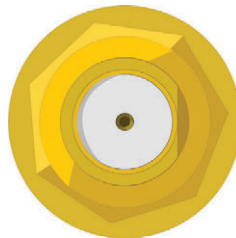


Figure 22: GPS antenna connector diagram



Note:

4G functionality is factory option. When the 4G function is enabled, one of the two antenna connectors for the Wi-Fi/BT will be used for the 4G antenna.

3. Hardware Installation

This chapter provides information about the hardware installation procedures.

3.1 Installing the Wi-Fi/BT Antennas

Step 1

Locate the two Wi-Fi/BT antenna connectors on the back panel of the VIA Mobile360 M810.

Step 2

Install the two provided Wi-Fi/BT antennas.



Figure 23: Installing the Wi-Fi/BT antennas

3.2 Installing the GPS Antenna

Step 1

Locate the GPS antenna connector on the back panel of the VIA Mobile360 M810.

Step 2

Install the provided GPS antenna.



Figure 24: Installing the GPS antenna

3.3 Installing the FOV Cameras and FAKRA Cables

Step 1

Align the FOV camera's connector with the FAKRA cable's connector. Then insert the camera connector until the locking clips lock the connector in place.

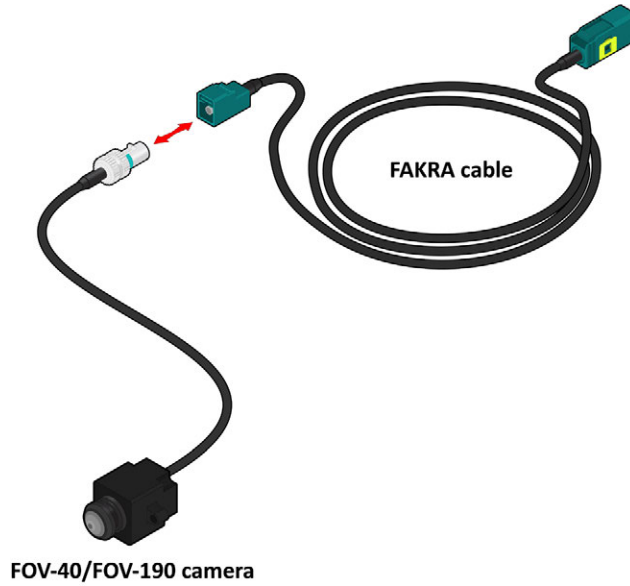


Figure 25: Connecting the FOV camera to the FAKRA cable

Step 2

Connect the FAKRA cable to the FAKRA connector for camera-in on the VIA Mobile360 M810.

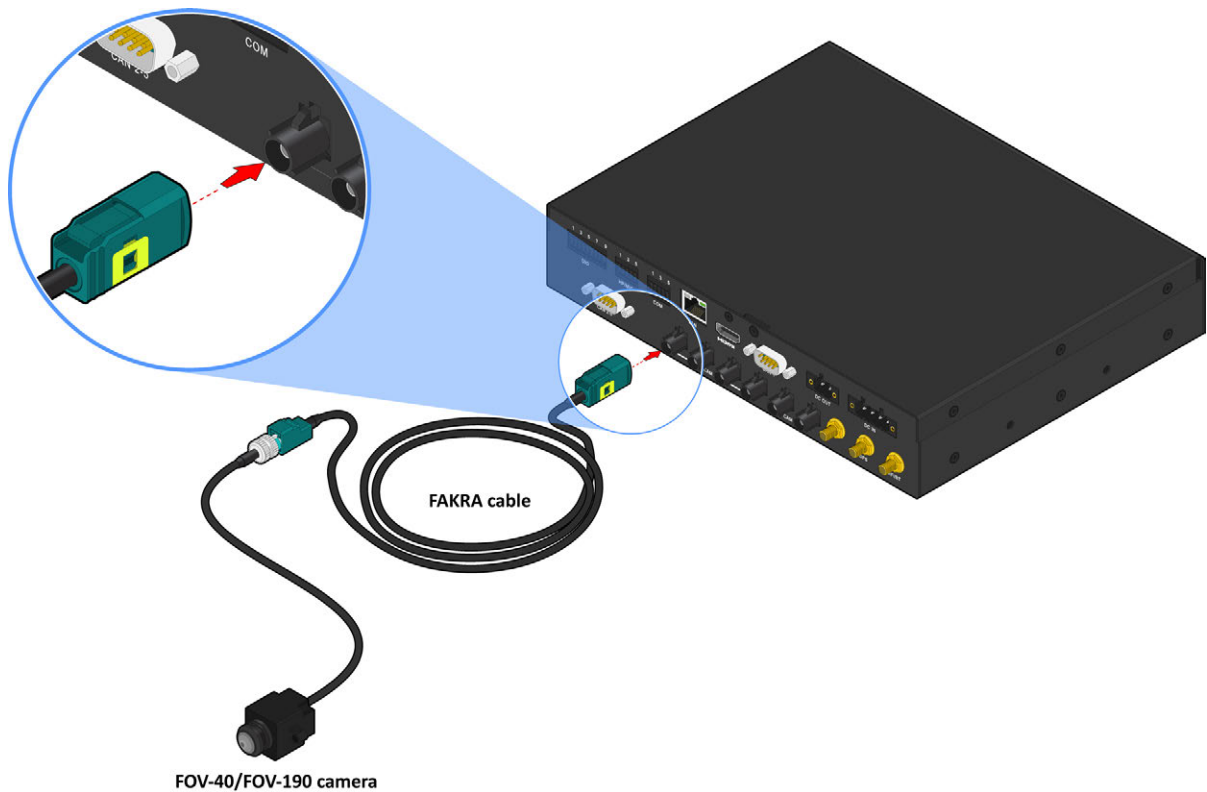


Figure 26: Connecting the FAKRA cable to the FAKRA connector

3.4 Unplugging the FAKRA Cable

Step 1

Firmly press and hold the locking clip on the FAKRA cable's connector.

Step 2

Then pull the FAKRA cable's connector to unplug it.

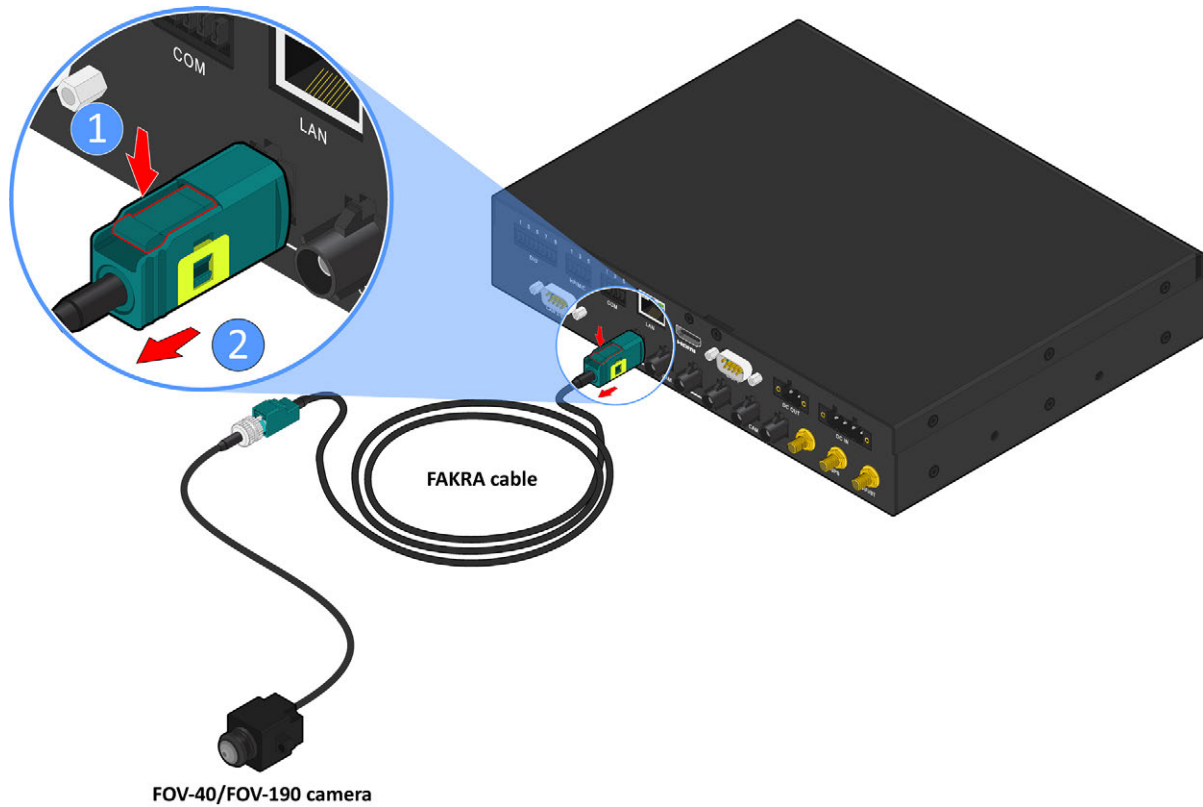


Figure 27: Unplugging the FAKRA cable

3.5 Connecting the VIA Mobile360 M810 to the Vehicle's Ignition (IGN)

Step 1

Locate pin no. 8 on the DIO port located on the back panel I/O.



Figure 28: DIO port's pin 8

Step 2

Connect a wire on the pin no. 8 on DIO port. Then connect the other end of the wire into the Ignition (IGN) signal of the vehicle. For details where to find the IGN on your vehicle, please refer to your car manufacturer.

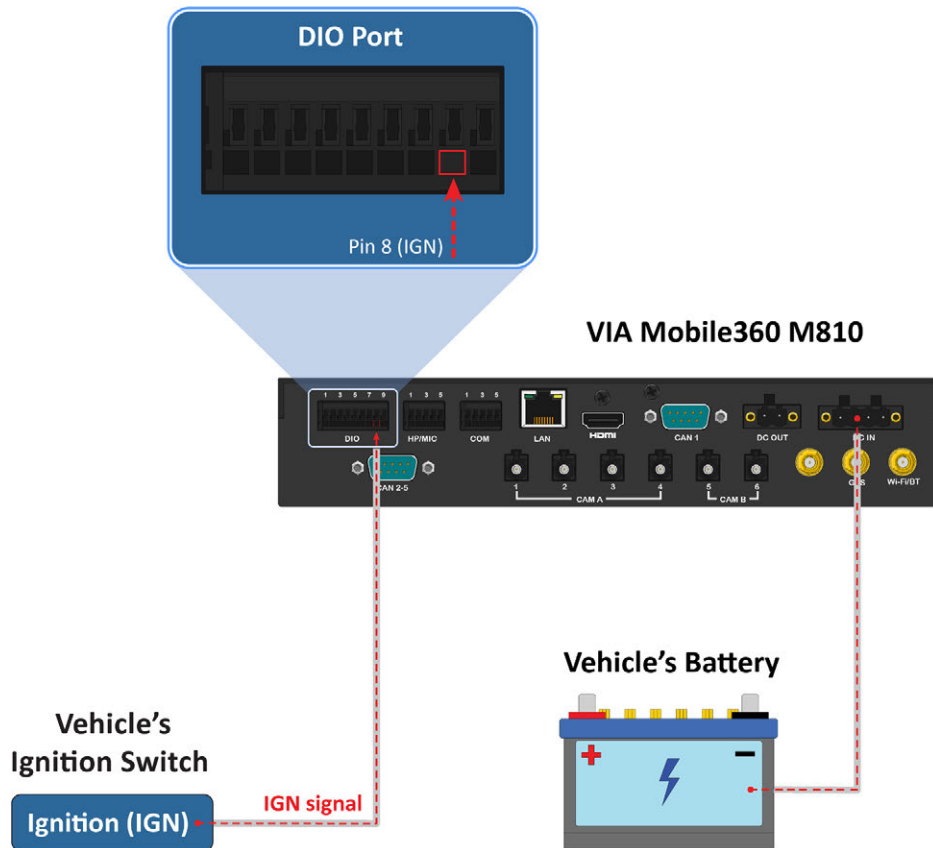


Figure 29: VIA Mobile360 M810 and IGN connection method diagram

3.6 Installing the Phoenix Plug to DC Jack

Step 1

Install four wires to the Phoenix plug to DC jack from the vehicle's battery. To install the wire, first loosen the respective screws on the Phoenix plug to DC jack before inserting each wire.

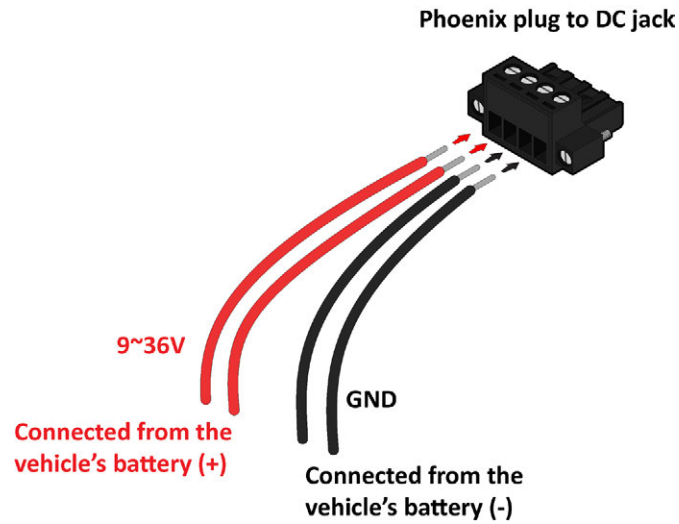


Figure 30: Connecting the battery cables onto the Phoenix plug to DC jack

Step 2

Connect the Phoenix plug to DC jack into the DC-in jack on the VIA Mobile360 M810, and then secure it with its two screws.



Figure 31: Connecting the Phoenix plug to DC jack

4. Software and Technical Support

4.1 Yocto Support

The VIA Mobile360 M810 features a complete software evaluation image featuring the Yocto 2.3 operating system.

4.2 Technical Support and Assistance

- For technical support and additional assistance, contact your local sales representative or board distributor, or go to <https://www.viatech.com/en/support/driver-support-fag/technical-support/> for technical support.
- For OEM clients and system integrators developing a product for long term production, other code and resources may also be made available. Please visit our website at <https://www.viatech.com/en/about/contact/> to submit a request.

Appendix A. Installing FOV Automotive-grade Cameras to the Camera Brackets

This chapter provides information on how to install the FOV-190 and FOV-40 automotive-grade cameras to the camera bracket for SVS/DMS/BSD/FCW.

A.1. Installing the FOV-190 Automotive-grade Camera to the Camera Bracket

Step 1

Attach the internal bracket to the external bracket, and then secure it with the four screws (M3x6) provided.

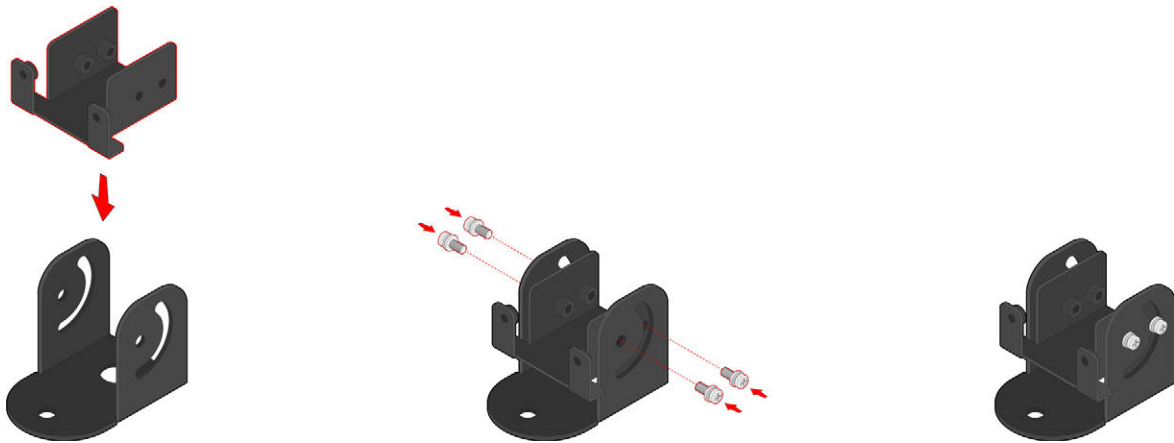


Figure 32: Attaching the internal bracket to the external bracket

Step 2

Install the double-sided adhesive tape on the external bracket as shown in the figure below.

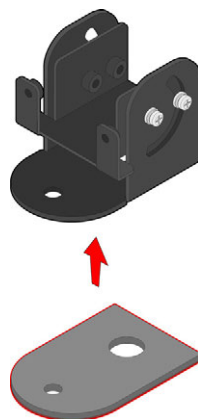


Figure 33: Installing the double-sided adhesive tape on the camera bracket

Step 3

Prepare your FOV-190 camera. Position the camera with the text label facing upward. Install the FOV-190 camera on the internal bracket, and then secure it with the two screws (M3x8) provided.

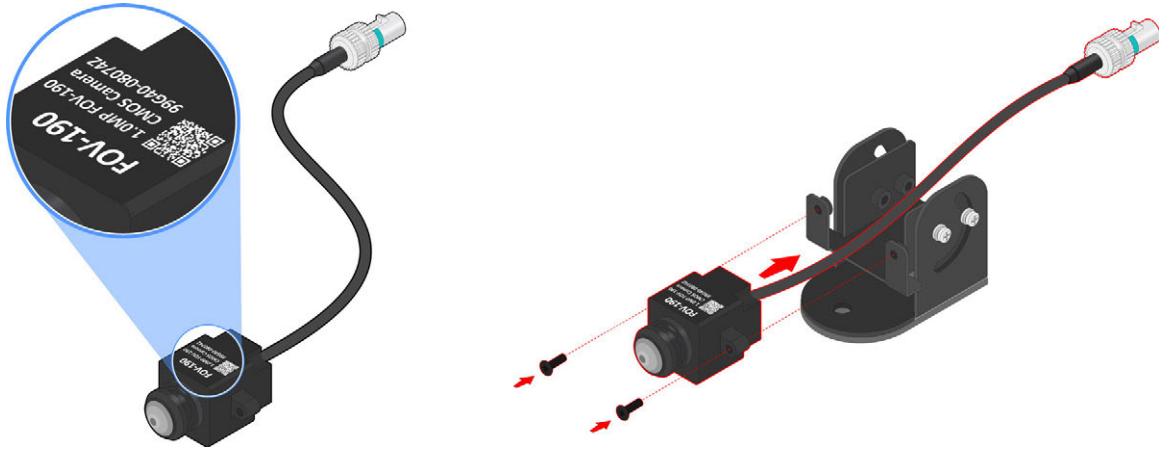


Figure 34: Installing the FOV-190 camera on the camera bracket

Step 4

Remove the protective cover of the double-sided adhesive tape.

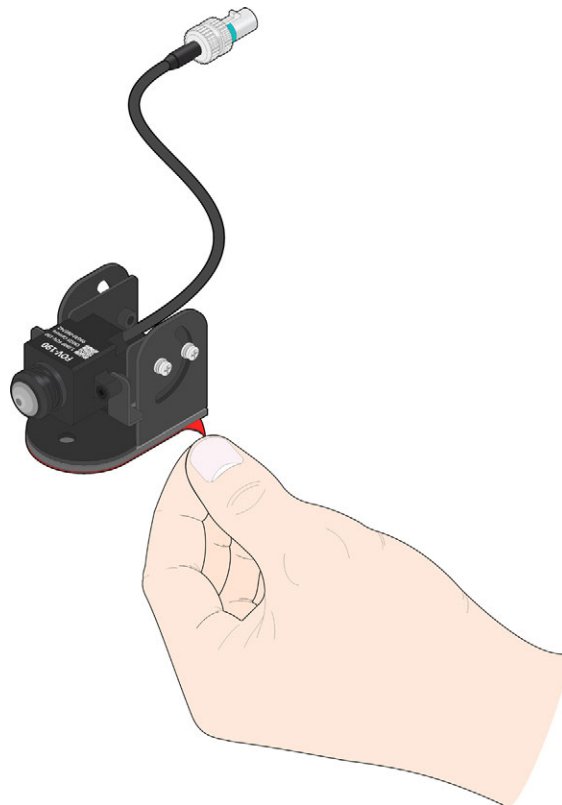


Figure 35: Removing the double-sided adhesive tape protective cover

Step 5

Install the camera bracket on the appropriate location of your vehicle.

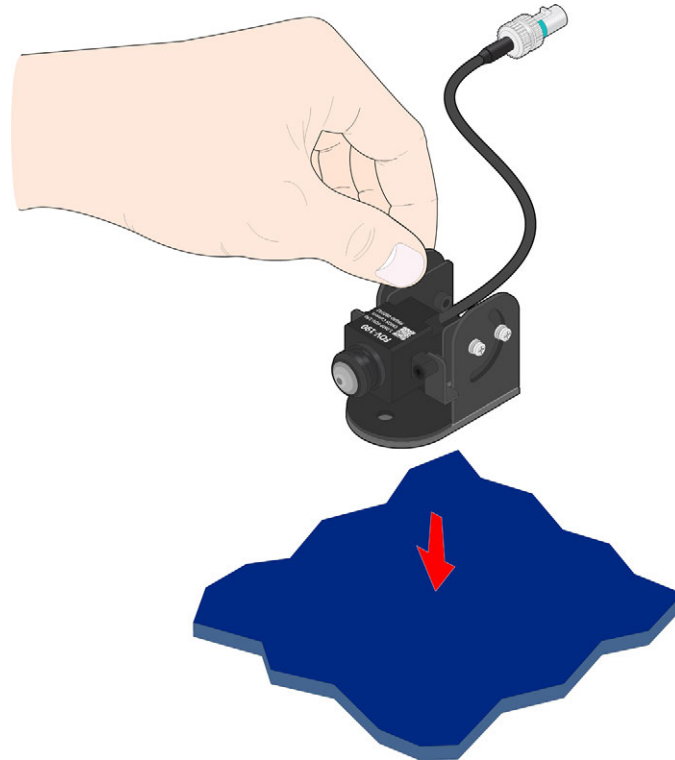


Figure 36: Installing the camera bracket with FOV-190 camera on your vehicle



Caution:

Once the camera bracket has been installed, it cannot be removed. Forcibly removing it could damage the double-sided adhesive tape.

Step 6

Slightly loosen the four screws (M3x6) of the internal bracket to allow movement. Then adjust the internal bracket to the preferred angle of your FOV-190 camera. Once the camera angle has been positioned, tighten the four screws to firmly secure the camera.

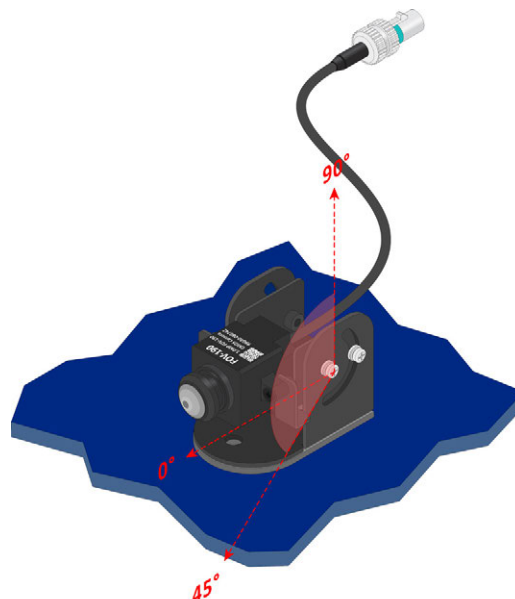


Figure 37: Adjusting the FOV-190 camera angle

A.2. Installing the FOV-40 Automotive-grade Camera to the Camera Bracket

Step 1

Attach the internal bracket to the external bracket, and then secure it with the four screws (M3x6) provided.

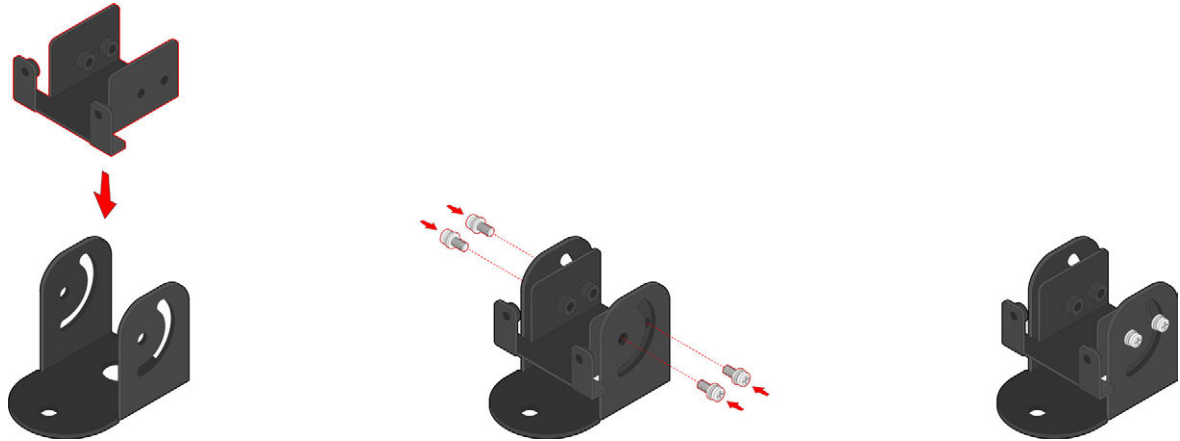


Figure 38: Attaching the internal bracket to the external bracket

Step 2

Install the double-sided adhesive tape on the external bracket as shown in the figure below.

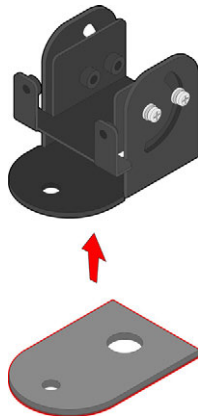


Figure 39: Installing the double-sided adhesive tape on the camera bracket

Step 3

Prepare your FOV-40 camera. Position the camera with the text label facing downward before installing it on the internal bracket.



Figure 40: Preparing the FOV-40 camera

Step 4

Install the FOV-40 camera on the internal bracket, and then secure it with the two screws (M3x8) provided.

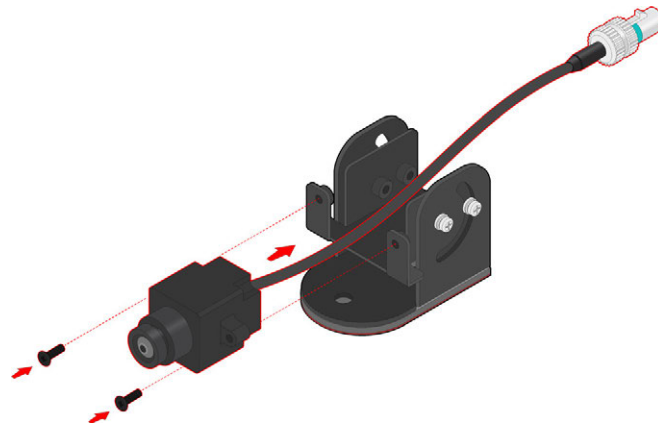


Figure 41: Installing the FOV-40 camera on the camera bracket

Step 5

Remove the protective cover of the double-sided adhesive tape.

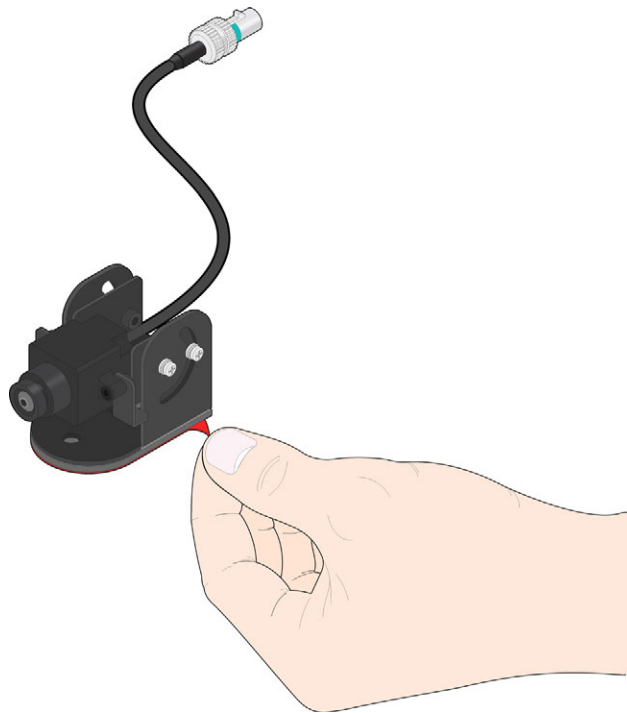


Figure 42: Removing the double-sided adhesive tape protective cover

Step 6

Install the camera bracket on the appropriate location of your vehicle.

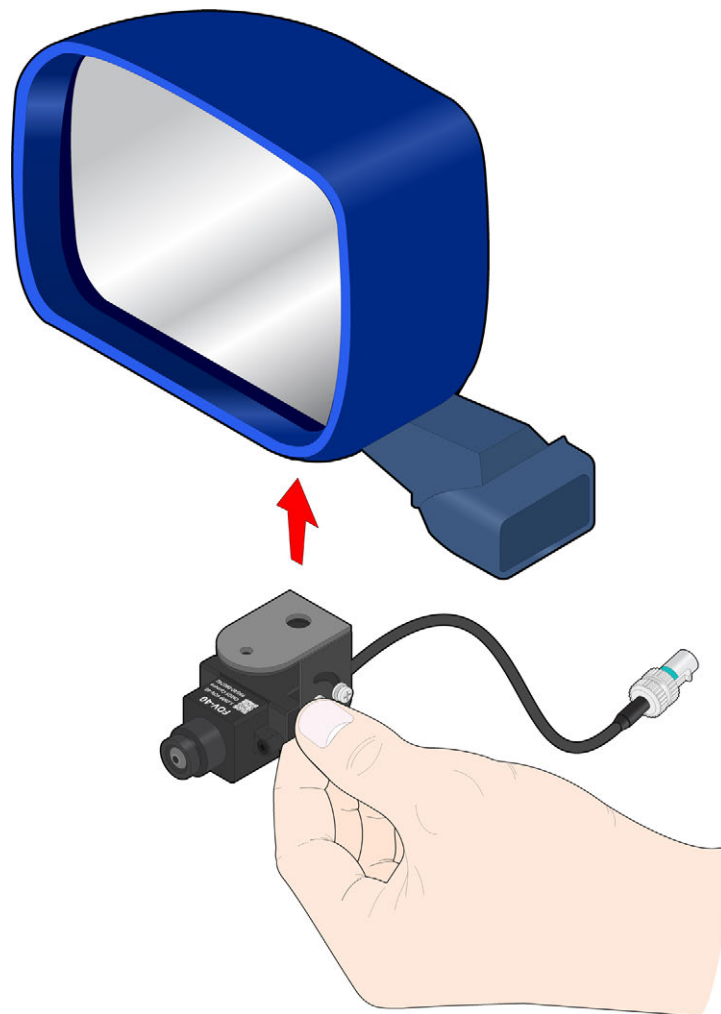


Figure 43: Installing the camera bracket with FOV-40 camera on your vehicle

**Caution:**

Once the camera bracket has been installed, it cannot be removed. Forcibly removing it could damage the double-sided adhesive tape.

Step 7

Loosen a bit the four screws (M3x6) of the internal bracket. Then adjust the internal bracket to find your preferred angle position for your FOV-40 camera. Once the camera angle has been positioned, tighten back the four screws.

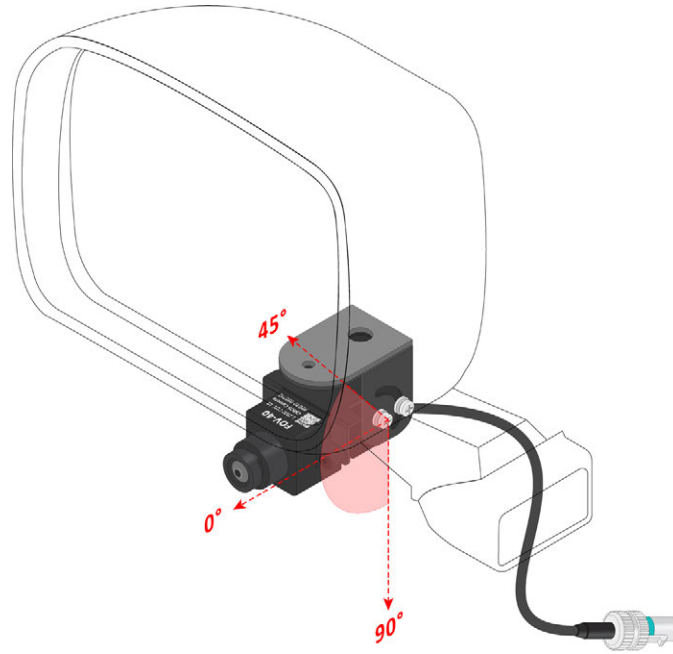


Figure 44: Adjusting the FOV-40 camera angle



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