Audi, VW , Skoda , Seat, Ford, MAN
MIB-3
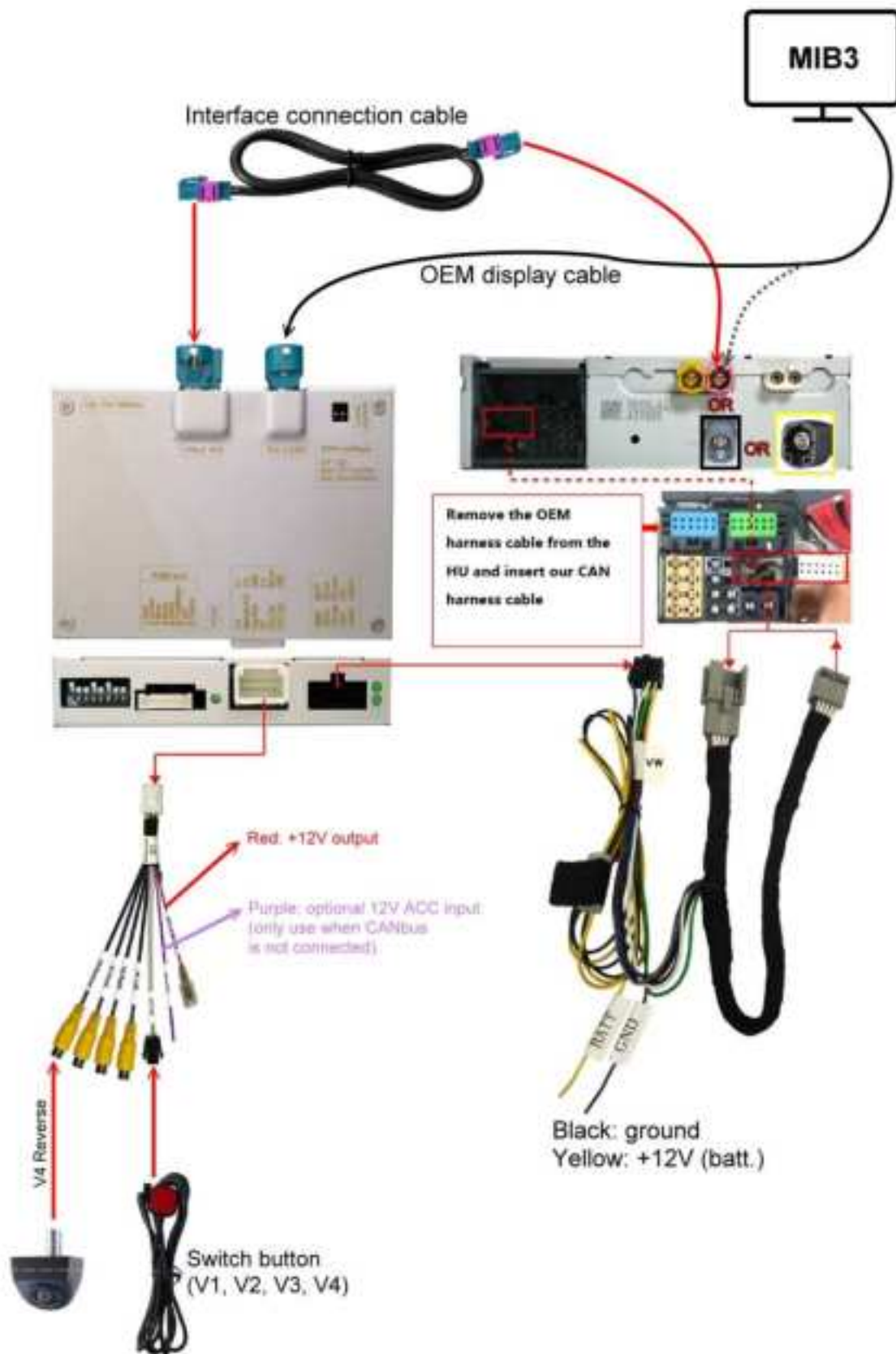## AHD / CVBS
Camera Video interface

Art. 300 329

Compatible with 8.8", 10.x", 11.6", 12.9" , 13" inch screens

- **4 Video Inputs for after-market device (**Rear + Front + Left + Right camera inputs)
- AHD/CVBS compatible (PAL, NTSC, 720P NTSC, 720P PAL, 960P NTSC, 960P PAL,1080P NTSC,1080P PAL)
- **Installation behind the radio/navi head unit.**
- Parking guidelines + PDC for rear camera (CANbus dependent)

1. Connection:

MIB3

Interface connection cable

OEM display cable

Remove the OEM harness cable from the HU and insert our CAN harness cable

Red: +12V output

Purple: optional 12V ACC input (only use when CANbus is not connected)

V4 Reverse

Black: ground
Yellow: +12V (batt.)

Switch button
(V1, V2, V3, V4)

Dip Settings

8-DIPS [Black]:

DIP1 ON = V1 (Left CAM)

DIP2 ON = V2 (Right CAM)

DIP3 ON = V3 Front CAM 10S after reverse (adjustable in menu)

DIP4 ON = V4 Reverse CAM

DIP5 OFF + DIP6 OFF

DIP7 OFF + DIP8 OFF = OEM PDC position RIGHT

DIP7 OFF + DIP8 ON = OEM PDC position CENTER

DIP7 ON + DIP8 OFF = OEM PDC position LEFT

TOP 4-DIPS [Black]:

Head unit/monitor size	Dip 1	Dip 2	Dip 3	Dip 4
Audi with Alpine, Aptiv/Delphi head unit 10.1 and 11.6inch monitor	OFF ↓	OFF ↓	OFF ↓ (ON ↑)	*
Audi with Harman head unit 8.8inch monitor	ON ↑	OFF ↓	OFF ↓	*
Audi with Alpine, Aptiv/Delphi head unit 8.8inch monitor	OFF ↓	ON ↑	OFF ↓	*
Audi with Alpine, Aptiv/Delphi head unit 10.1inch monitor - MEB modular system based vehicles, e.g. Audi Q4 e-tron	ON ↑	ON ↑	OFF ↓	*
VW, Seat, Skoda, Ford, MAN head unit 10, 10.3, 10.4, 12 or 13inch low resolution monitor	OFF ↓	OFF ↓	ON ↑	*
VW head unit 12.9 or 13inch high resolution monitor	ON ↑	OFF ↓	ON ↑	*
VW with Alpine head unit 15 inch monitor	OFF ↓	ON ↑	ON ↑	*
PDC deactivated	-	-	-	OFF ↓
PDC activated*	-	-	-	ON ↑

TOP 2-DIPS:

Assignment of the 4-pin HSD connection according to manufacturer of the head unit/monitor size	Dip 1	Dip 2
Audi with Alpine, Aptiv/Delphi head unit and 8.8, 10.1 and 11.6inch monitor	OFF ↓	OFF ↓
VW with Alpine head unit 15inch monitor	OFF ↓	OFF ↓
Audi with Harman head unit 8.8inch monitor	ON ↑	OFF ↓
VW, Seat, Skoda, Ford, MAN Head-Unit 10, 10.3, 10.4, 12, 12.9 and 13inch monitor	ON ↑	ON ↑

4-DIPS [Red] Setting: ALL OFF

Trigger wires:

- **Trig-Rear***: insert +12/24V reverse signal to activate the rear camera (signal must be stable, not LED)

  Usually the reverse function is detected by CANbus and it's not needed to connect the Trig-REAR wire to reverse signal.

- **Trig-Right**: insert +12/24V to activate the video image of V2

- **Trig-Front**: insert +12/24V to activate the Front camera (optional).

  Front camera also switches on automatically after reverse, and also by short-press switch button (included).

- **Trig-Left**: insert +12/24V to activate the video image of V1

Additional power wires:

- CAM POWER 12V: provides 12V to power the camera (if reverse function works by CANbus)

- ACC OUT: provides 12V while ignition is on (when CANbus is running)

- Manual ACC: connect to 12V ACC only when interface is disconnected from CANbus.

MENU settings:

- Activate a camera/video channel and press and hold the **MENU** button (3 sec.) to show the menu settings.
- Use **UP / DOWN** to change a setting
- Use **MENU** to jump to the next option

REAR CAM (V4) settings:

Brightness: adjust the brightness of the picture

Contrast: adjust the contrast of the picture

PosH: move the picture to left/right

PosV: move the picture to up/down

Trigger: **CAN:** interface switches over if CAN data matches, otherwise trigger wire needs to be connected.

Wire: use tigger wire to activate the camera/video channel

InputSource: **AutoDetect:** interface detects the inserted video signal automatically.

Other fixed video system settings are: PAL, **NTSC**, 720P PAL, 720P NTSC, 960P PAL, 960P NTSC, 1080P PAL, 1080P NTSC.

Guide-Type: turn guidelines on/off.

Guidelines options: **Dynamic**: guidelines turn with the steering wheel (if CAN Data matches).

Fixed: static guidelines (always on screen, independent of CAN data).

Guide-PosV: adjust the height position of the guidelines

GuideL-PosH: adjust the horizontal position of the left guideline

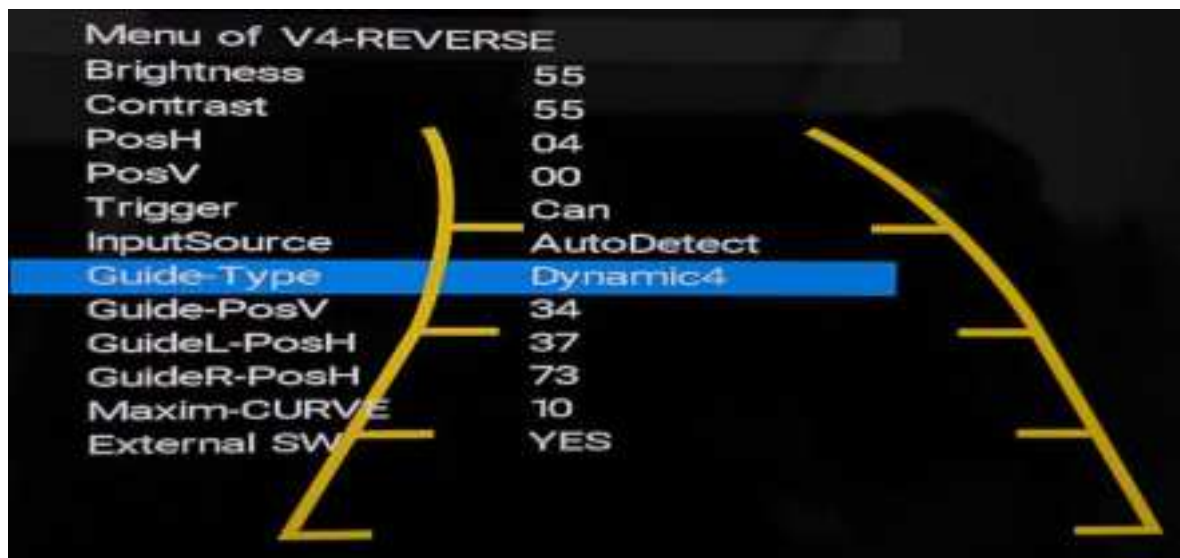**GuideR-PosH**: adjust the horizontal position of the right guideline

Maxim-curve: adjust the maximum curve of the guidelines

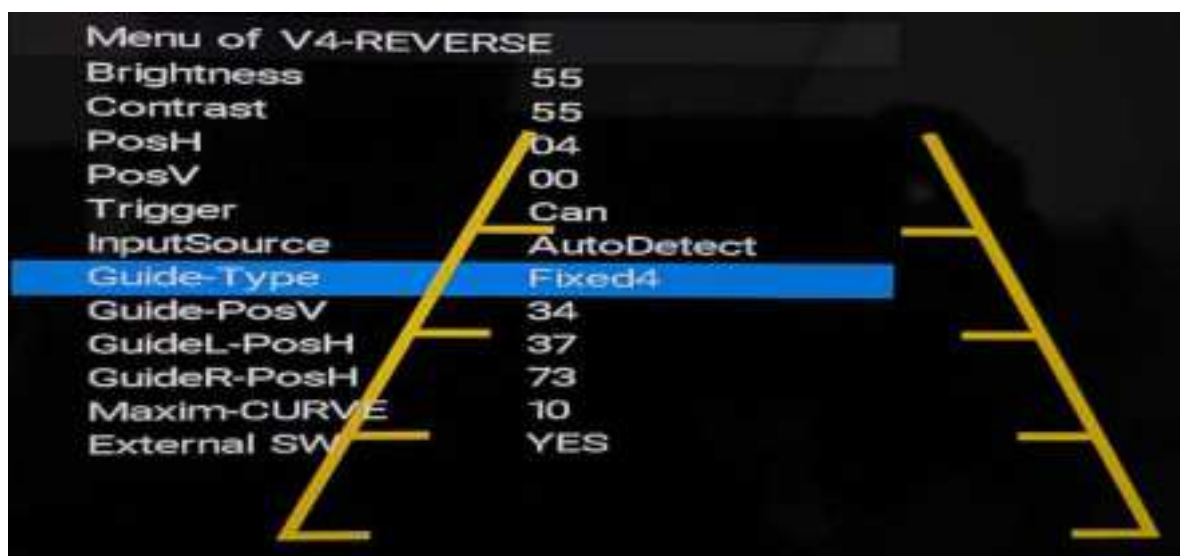**External SW**: activate the rear cam (V4) input by press+hold the external push button.

Dynamic guidelines:
Choose between 6 types of dynamic patterns!

Fixed guidelines:
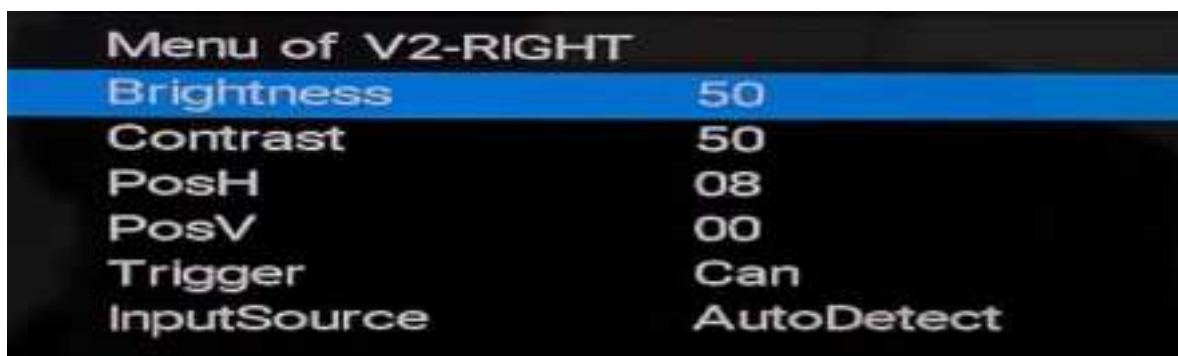Choose between 6 types of fixed patterns!

FRONT CAM (V3) settings:

Trigger: select the desired time to show the <u>Front cam picture automatically after reversing</u>.

InputSource: **AutoDetect:** interface detects the inserted video signal automatically.
Other fixed video system settings are: PAL, NTSC, 720P PAL, 720P NTSC, 960P PAL, 960P NTSC, 1080P PAL, 1080P NTSC.

Left (V2) / Right (V1) settings:

Trigger: **CAN:** interface switches over if CAN data matches, otherwise trigger wire needs to be connected.
Wire: interfaces switches only over by using the tigger wire to activate the camera/video channel.

InputSource: **AutoDetect:** interface detects the inserted video signal automatically.
Other fixed video system settings are: PAL, NTSC, 720P PAL, 720P NTSC, 960P PAL, 960P NTSC, 1080P PAL, 1080P NTSC.