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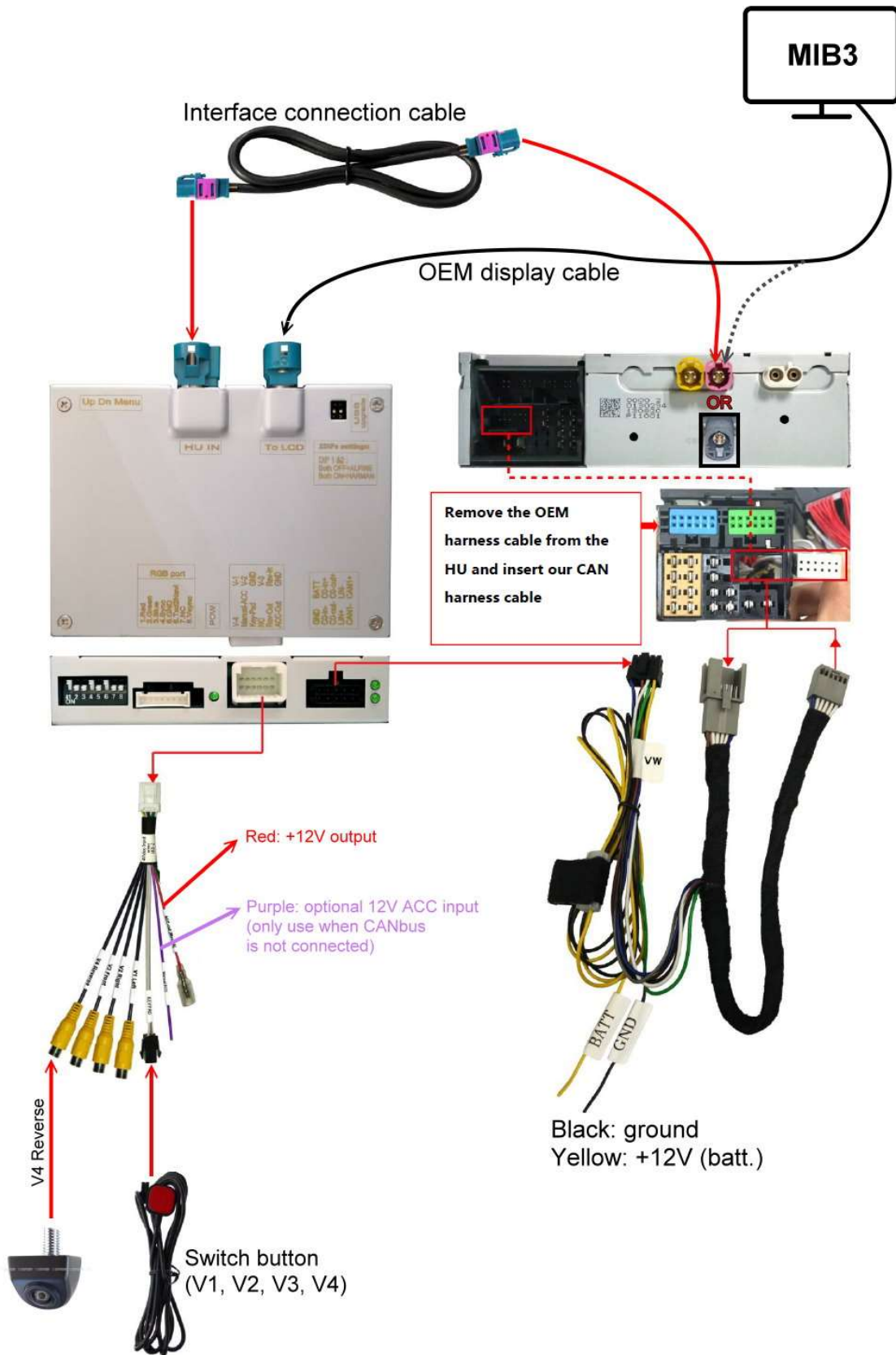# Camera Video interface

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

Up Dn Menu

HU IN   To LCD

RGB port

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

VW

Red: +12V output

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

BATT   GND

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

V4 Reverse

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]:

DIP1 ON , DIP2 OFF, DIP3 OFF = 8.8" Audi Harman

DIP1 OFF , DIP2 ON , DIP3 OFF = 8.8" Audi Alpine, Aptiv/Delphi

DIP1 OFF , DIP2 OFF, DIP3 ON = 10", 10.3", 10.4" 12" or 13" low resolution VW, Seat, Skoda, Ford, MAN

DIP1 OFF , DIP2 OFF, DIP3 OFF = 10.1", 11,6" Audi Alpine, Aptiv/Delphi

DIP1 ON , DIP2 ON , DIP3 OFF = 10.1" MEB, s.a. Audi Q4 ETRON

DIP1 ON , DIP2 OFF, DIP3 ON = 12,9" , 13" VW high resolution

DIP4 ON = Mixed OEM **PDC**

TOP 2-DIPS:

DIP1 OFF, DIP2 OFF = Alpine, Aptiv/Delphi

DIP1 ON , DIP2 OFF = Harman

DIP1 ON , DIP2 ON = VW, Seat, Skoda, Ford, MAN

4-DIPS [Red] Setting: ALL OFF

Trigger wires:

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

- **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).

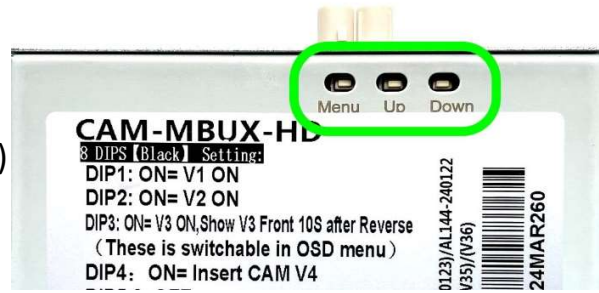- **Trig-Left**: insert +12/24V to activate the video image of V1

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

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

CAM-MBUX-HD
8 DIPS 【Black】 Setting:
DIP1: ON= V1 ON
DIP2: ON= V2 ON
DIP3: ON= V3 ON,Show V3 Front 10S after Reverse
（These is switchable in OSD menu）
DIP4: ON= Insert CAM V4

REAR CAM (V4) settings:

Menu of V4-REVERSE	
Brightness	55
Contrast	55
PosH	04
PosV	00
Trigger	Can
InputSource	AutoDetect
Guide-Type	OFF
Guide-PosV	34
GuideL-PosH	37
GuideR-PosH	93
Maxim-CURVE	10
External SW	YES

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, CVBS, 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
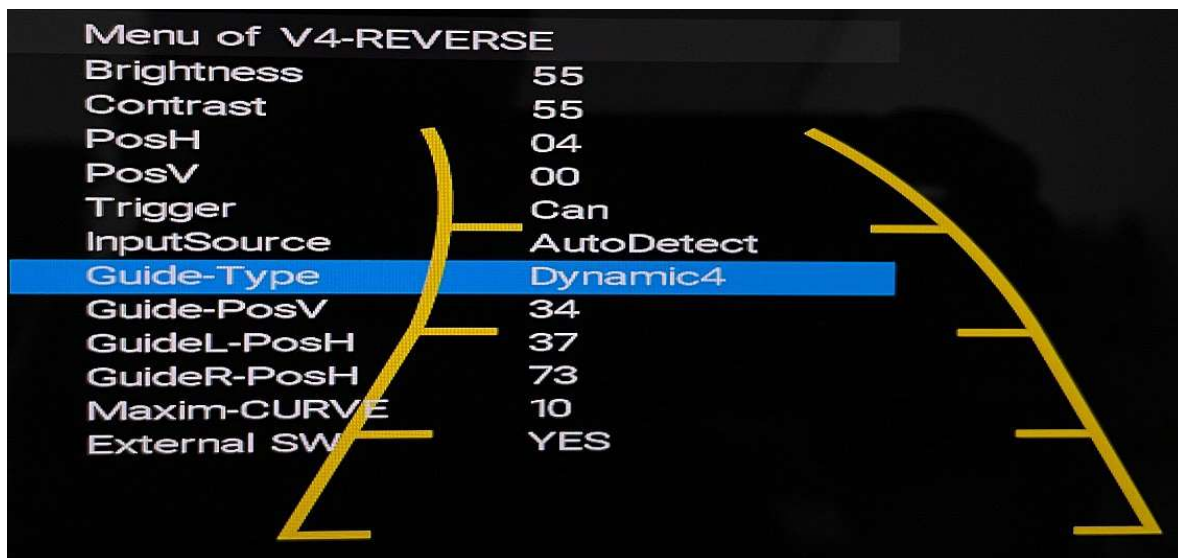**GuideL-PosH**: adjust the horizontal position of the left guideline
GuideR-PosH: adjust the horizontal position of the right guideline
Maxim-curve: adjust the maximum curve of the guidelines
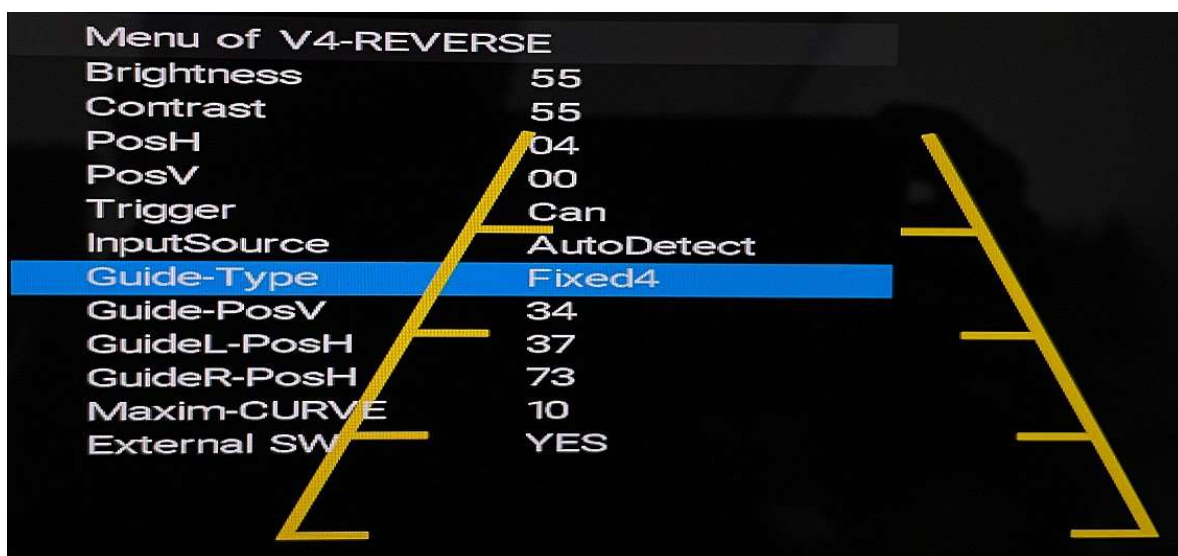**External SW**: activate the rear cam (V4) input by press+hold the external push button.

Dynamic guidelines:
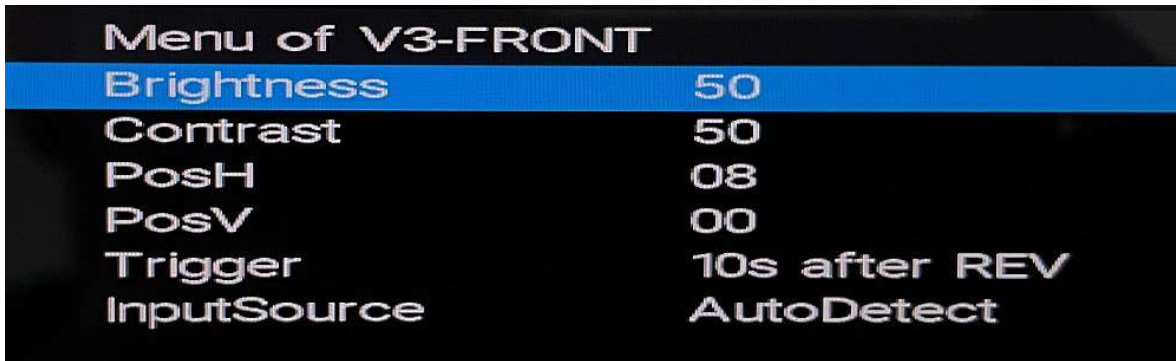Choose between 6 types of dynamic patterns!

Fixed guidelines:
Choose between 6 types of fixed patterns!

FRONT CAM (V3) settings:

Menu of V3-FRONT
Brightness	50
Contrast	50
PosH	08
PosV	00
Trigger	10s after REV
InputSource	AutoDetect

Trigger: select the desired time to show the Front cam picture automatically after reversing.

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:

Menu of V2-RIGHT
Brightness	50
Contrast	50
PosH	08
PosV	00
Trigger	Can
InputSource	AutoDetect

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.