

In Car Video Converter

Visualize data during test drives

The Challenge

Additional monitors or laptops are often installed in test vehicles to visualize data during test drives.



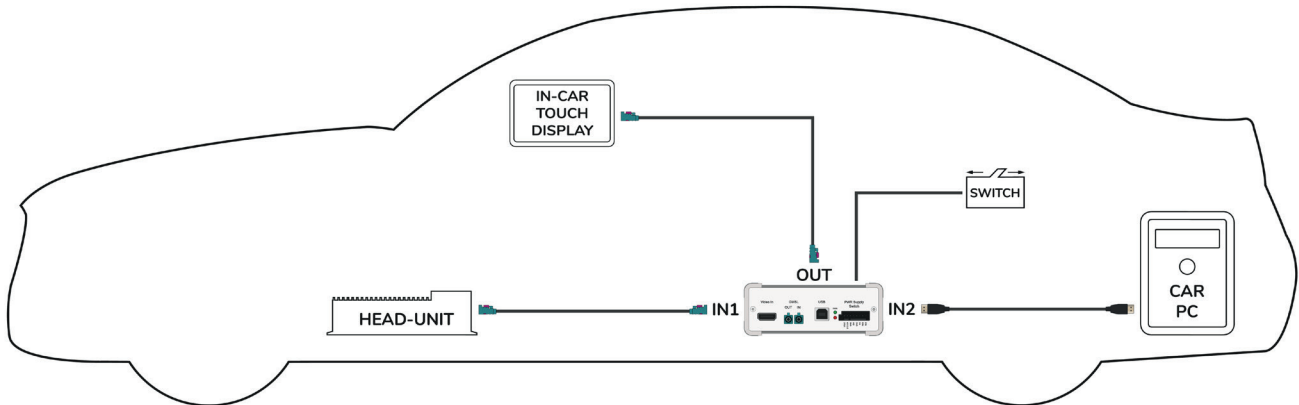
- ❖ These can cause distractions while driving. The placement and readability are not perfect and the brightness is not automatically adapted to the light conditions.
- ❖ In addition, the installations must be crash-proof.

The Solution



- ❖ The solution is to use the existing vehicle display.
- ❖ The vehicle display is perfectly placed and readable for the driver.
- ❖ The brightness of the display is automatically adapted to the light conditions.
- ❖ TZ Video Converters transfer the video signal from your PC or laptop to the vehicle display.
- ❖ Even if the vehicle display is a touch display, the touch functionality can be used as TZ Video Converters enable the transmission of the touch commands to your PC.

How it works



- ▶ The PC and the head-units is connected to the video input of the TZ Video Converter.
- ▶ The vehicle display is connected to the video output of the TZ Video Converter.
- ▶ The switch allows to toggle whether the head-unit or PC video signal is shown on the vehicle display.
- ▶ The PC can be connected via USB to TZ Video Converter to use the touch control of the vehicle display.
- ▶ TZ Video Converters can be easily configured to new displays by using our TZ GUI.
- ▶ TZ Video Converters are delivered with all accessories needed for a quick integration and usage.

Versions

Part No	Technology	Serializer	Input Connector	Output Connector	Color Space
VC0200	GMSL2	MAX96763	HDMI 2.0	FAKRA	RGB888
VC0210	GMSL	MAX9291	HDMI 2.0	FAKRA	RGB888
VC0220	FPD-Link III	DS90UB949A	HDMI 1.4	Rosenberger HSD	RGB888



VC0200






































VC0210




VC0220

Features


Part No	Features
VC0200	           
VC0210	           
VC0220	          

 Maxim Integrated

 Texas Instruments


 HDMI

 HDMI 2.0


 TZ GUI Support

 Setting Switches

 Built in Control channel Master

 2:1 Input Switch

 External Switch

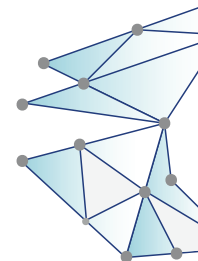
 System enable pin

 Audio output

 Touch



we empower
automotive video
innovations



TZ Electronic Systems GmbH
75223 Niefern-Öschelbronn
www.tz-es.com

General Inquiries
info@tz-es.com
+49 7233 – 958 99 45
Availability by telephone:
Monday through Thursday,
8 a.m. to 4 p.m.
Friday 8 to noon

Sales
sales@tz-es.com
+49 7233 – 958 99 64
Availability by telephone:
Monday through Thursday,
9 a.m. to 4 p.m.
Friday 9 to noon

Support
support@tz-es.com