VideoLinq

VideoLinq brings a simple solution for the interconnection of computers and in-car displays. The VideoLinq allows to extend or mirror of the content from a computer directly to in-car displays including optional CAN-FD communication processing.

VideoLinq allows to extend or replicate a computer screen to an in-car display. The tool is useful whenever is necessary to project any graphical content from the computer on the in-car display. Therefore, VideoLinq mostly finds a place during concept development or evaluation of different concepts and ideas. These activities are performed on test benches or directly in a car during UX testing or prototype demonstration. Therefore, UX designers can test a user interface in real-time due to touch screen gestures support.

The main advantages of VideoLinq usage are seamless integration with existing software and operating systems, various displays are supported (can be preset or user-defined), and overall user-friendly operation. VideoLinq can be easily customized, it offers exceptional reliability, and a wide range of accessories for an affordable price.

To operate VideoLinq in standalone mode, only four steps are required: connect an in-car display via FPD-Link III interface and micro-harness cable; select the desired display profile; to apply power; and to connect VideoLinq to a computer with an HDMI cable. If CAN communication or advanced features (such as touch gestures) are required, simply connect VideoLinq to the computer with a USB cable.
VideoLinq can also provide power to the in-car display directly.

Display size profiles for eight of the most commonly used VW Group in-car displays are already pre-loaded (see the Technical Parameters section below). Furthermore, on request, it is also possible to adapt the device to any additional display profiles.

A standard delivery contains a VideoLinq device with a power supply and necessary cable accessories.

Key features

- ✔ Easy connection between a computer and an in-car display
- ✔ Preloaded profiles of the most used VW Group ABT displays
- ✔ Additional display profiles on request
- ✔ Touch functionality between the connected display and the computer
- ✔ Can be used both on a Test Bench or directly in-car, but it is not limited to
- ✔ User-accessible button with default reset function
- ✔ Standard Canon 9 connector with dual CAN-FD including power for the display
- ✔ HDMI 1.4 input
- ✔ FPD-Link III output (dual-link capable)
- ✔ 12 - 24 VDC (6 - 24 VDC in case the display is powered separately)
- ✔ Compact size

Potential customization of the device:

› On-demand individually programmable display profiles (ABT, FPK, head-up)

› Implementation of a Touch & Swipe functionality

› Simulation of the requested control feature based on CAN signals

› Programmable button of the device for requested feature (trigger function, etc)

Delivery content:
› VideoLinq
› AC/DC adapter 230/12 V
› CAN harness cable 2 m
› HSD cable 2 m
› HDMI cable 2 m
› USB cable 2 m

Technical Parameters	
Input:	HDMI 1.4 (pixel clock up to 170 MHz)
Output:	FPD-Link III (dual-link capable)
	2x CAN-FD (Vector compatible)
Currently pre-set display profiles:	**10.0" ABT 1560 x 700** (MIB EI GP (ABT-W), MIB3 OI GP (ABT-W), ICAS 3 (ABT-E),
	10.4" ABT 1560 x 878 (MIB3 EI GP, MIB3 OI GP),
	12.0" ABT 1560 x 700 (ICAS3 (ABT-E), CNS 3.0 GP (ABT-W),
	12.9" ABT 1920 x 1080 (MIB3 OI, ICAS 3 GP, CNS 3.0 GP, ICAS 3 GP CHN),
	13.1" ABT 1920 x 1080 (MIB3 OI)
	15.0" ABT 2240 x 1260 (MIB OI GP, ICAS 3 GP, CNS 3.0 GP, ICAS 3 GP CHN, OI@Android),
	Additional display profiles are possible to configure upon request.
Weight	200 g
Dimensions (w × h × d)	105 × 95 × 26 mm (including connectors and control elements)
Power voltage	12 - 24 VDC nominal (30 VDC absolute maximum rating; 6 – 24 VDC in case the display is powered separately.
Operating temperature	0 °C to 70 °C while preventing condensation
Built-in CAN terminators	120 Ω, connected by DIP switches on the rear panel
CAN physical layer	In accordance with ISO 11898
EMC Compliance	CISPR 32/EN 55032 class B
Water resistance	IP 30

For ordering, further details and available accessories please contact us: business.products@digiteqautomotive.com