



HMI TOOLBOX

Complete solution for Integrating and Testing new HMI Systems in the Vehicle

Introducing new HMI designs into an existing vehicle to make them "experienceable" there is the key task of the HMI Toolbox. However, it also makes it possible for existing controls and displays in the vehicle to be used to control and display measuring technology.



IPU HD image processing unit

Elements of HMI Toolbox:

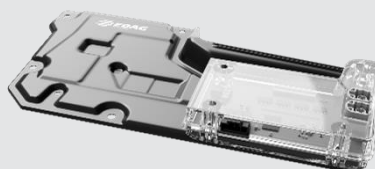
- DP6852 IPU HD
- DP6811 cluster
- DP6812 HUD
- DP6823 HMI switch box

Applications:

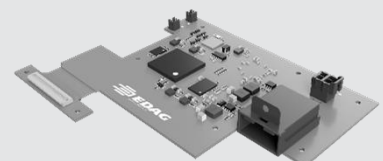
- Extracting display contents
- Capturing touch data
- Showing own contents in vehicle displays, cluster and HUD



HMI switch box



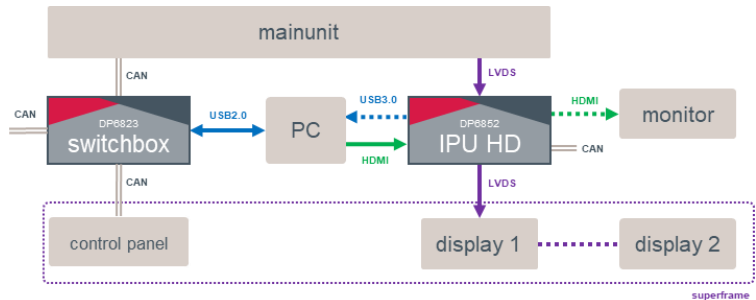
HUD manipulation board



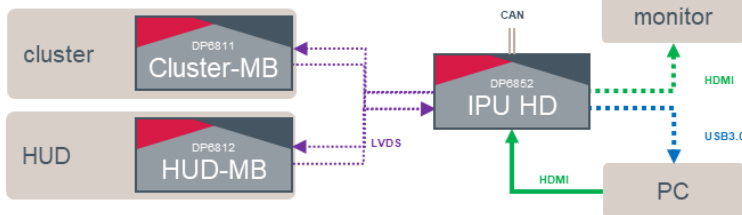
Cluster manipulation board

Applications: Central infotainment system

- Installation of external videos
- Selecting source (original / PC)
- Controlling your own GUI with original vehicle control elements (incl. touch)
- Streaming original vehicle image to PC via USB, or for presentations, send straight to external monitor via HDMI
- Capturing and filtering touch data
- Supporting super frames on more than one monitor



Applications: Cluster or HUD



- Installation of external videos
- Selecting source (original / PC)
- Frame grabber for extraction of content displayed
- Controlling the operating modes via CAN
- Streaming original vehicle image to PC via USB, or for presentations, send straight to external monitor via HDMI
- Integration of our cluster or HUD manipulation boards straight into the series components

Special functions:

- Magic Pixel: Permits crossfading of defined image areas – one colour becomes "transparent"
- Frame grabber: Extraction of the image data from the vehicle displays → USB3.0 interface
- HDMI out: In conjunction with the frame grabber, the image is transferred to an HDMI interface instead of USB3.0
- Multi-Config: Selection of various display configurations via CAN bus

Contact

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Ordering information



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