Navi Modification

New

Modification of Navigation Unit puts PC-Graphics and Video to integrated dashboard display

Together with the Nickl ImageCutter30, the modified navigation unit is able to display images to the dashboard display. The modified navigation unit gets its signal from the ImageCutter, which has already tailored the signal timing to the needs of the specific TFT. For safety purposes, the original image can be displayed alternatively. E.g. safety-relevant information can be displayed at critical situations.

Since the data is transmitted to the TFT in a digital fashion, best image quality is achieved.

Transmission of the signals between the ImageCutter and the modified navigation unit is done via standard patch cables known from the network technique. By AC coupling, a DC decoupling of the ImageCutter and the navigation unit is achieved, allowing potential differences which may be present between the front and the rear area of the wiring harness.

Applications:
- Displaying measurement data in testing vehicles
- Developing new man-machine interfaces
- Building concept cars with exotic display content

- Multiplexing between original image and PC/Video image
- DC De-coupling of ImageHub30 and ground of the navigation unit

Nickl

Elektronik-Entwicklung

www.nickl.de

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Common Properties	Can receive data from ImageCutter30 via a network patch cable
Output Multiplexer	Output selectable between ImageCutter30 image and Navigation-Image
Cable length	approx. 45 cm
Connectors	RJ45 receptacle at cable end

1EZKA-2xRJ45S-x-BLU
Cable, Patch, 2 x RJ45 plug with buckling protection,
Cat.5, blue, L=1, 2, 5, 7 and 10 m

1EMIH30-RNS510
ImageHub30 incl. integration in VW RNS510-navigation
unit (unit supply in advance needed), can switch between

- Further variants on request -

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