

ImageHub120

New
ImageHub120

ImageHub120 feeds PC image signals
to integrated dashboard displays
of various vehicles
by DVI/HDMI & VGA via ImageCutter120

Each ImageHub120 can control original integrated drive displays in vehicles together with the ImageCutter120 with standard DVI / HDMI and VGA image data. For this the ImageHub120 gets from a ImageCutter120 a tailored signal, regarding the specific display timing and format, and feeds it into the vehicle interface. There is a choice of the feed-in and the original display signal to show emergency messages and also to offer the original functionality.

The ImageHub120 receives its power from the ImageCutter120 and can also be supplied for looping the original signals without ImageCutter120, via the "Alternative Power In" input.

The small ImageHub120 is usually housed near the vehicle display and is looped into the original vehicle cable connection with an additional similar cable between the vehicle ECU and the vehicle display.

Applications:

- Displaying measurement data in testing vehicles
- Developing Instrument Cluster-/Navigation graphic interfaces
- Building concept cars without external display superstructures

- Adaption to interfaces of various vehicles
- Flexible mounting due to small dimensions
- Multiplexing between original and DVI/HDMI & VGA image
- Obtains supply from ImageCutter120 or from "Alternate Power In"



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Displays are our
business...

ImageHub120

Technical Data

Common Properties	Vehicle-specific connection included data mapping, as well as receipt of the processed image data from the ImageCutter120 via a lean high-speed differential line
Output Multiplexer	Output selectable to display the DVI / HDMI / VGA image signal from the computer via ImageCutter120 or the original vehicle-image signal
Typ: 1EMIH120-BMW004	for BMW CID displays with NBTevo/APIX2 technology, e.g. for G11/G12 (10.25", 1440x540, 8:3) as of 2015, 1x 4+2-pol. APIX2 input, 1x 4+2-pol. APIX2 output
Type: 1EMIH120-DC006	for Daimler HeadUnit displays with NTG5 technology, e.g. for W222 (12.3", 1440x540, 8:3) as of 2012, 1x 2-wire (4-pin) GMSL input, 1x 2-wire (4-pin) GMSL output
Type: 1EMIH120-POR003	for MIB2-High displays, e.g. for Porsche Panamera/G2 CID (12.3", 1440x540[phy:1920x720], 8:3), 1x 2-wire (4-pin) FPD Link III-input, 1x 2-wire (4-pin) FPD Link III-output
Case	Aluminium, silver/black
Case and Dimensions	approx. (104x105x30)mm ³ without HSD connector supernatant
Mass	approx. 300 g
Operating temperature	approx. -20..+60 °C
Storage temperature	approx. -25..+90 °C
Supported vehicles	please refer to: http://www.nickl.de/Products/CarImaging/VehicleList/

Accessories

- 1EZKA-RB4Du2RB4Dr2-1.5
NBTevo/APIX2 CID cable for IH120 to CID, L=1.5m, (TIP: disconnect original cable at CID)
- 1EZKA-RB4BRB4B-1
NTG5/GMSL cable for NightVision inside Combi & for HeadUnit display, 2x HSD connectors, L = 1m
- 1EZKA-RB4FsRB4G90cu-1
MIB2/FPD-Link-III cable for MIB2-High-displays, e.g. for Panamera/G2 or Cayenne/E3 CID, L=1m
- 1EZKA-RB4Ag2RB4Ag2-2m/5m/7m
Connection cable IC120 -to- IH120-xxx, high-speed differential line, length L = 2m, 5m or 7m
- 1EZKA-SMC-B-12-BAN2-1
Power cable for "Alternate Power In" connector strip at 12VDC electrical system, L=1m

Order Codes

- 1EMIH120-DC006
ImageHub120 for Daimler HeadUnit displays with NTG5 technology, e.g. for W222 (12.3", 1440x540, 8:3) as of
- 1EMIH120-BMW004
ImageHub120 for BMW CID displays with NBTevo/APIX2 technology, e.g. for G11/G12 (10.25", 1440x540, 8:3)
- 1EMIH120-POR003
ImageHub120 for MIB2-High displays, e.g. for Porsche Panamera/G2 CID (12.3", 1440x540[phy:1920x720],
- Further variants on request -

