



**NOFFZ**  
TECHNOLOGIES

AVD/AVS

# AUTOMOTIVE SERDES TEST TOOLS

FUNCTIONAL TEST FOR AUTOMOTIVE SERDES DEVICES



## PRODUCT

**Applications:** Functional Test for Automotive SerDes Devices  
in Production and Validation

[noffz.com](http://noffz.com)



Variants of the NOFFZ AVD & AVS based on different video chipsets and matching connector types

### FEATURES AND HIGHLIGHTS

- › High throughput: Data rates up to 13 Gbps
- › I2C back-channel communication: Seamlessly control your chip, enable self-testing and built-in test signal generation.\*
- › Internal pixel clock generation: No need for external source.
- › Daisy chaining option\*: Expand your test system capabilities with daisy chaining, monitor test frames on real displays, separate PiP (picture-in-picture) from main image.
- › Multi-DUT testing: With the HDS platform you can switch multiple high-speed, differential video lines to a single AVD (deserializer), and store the image with a cost-efficient display port capture device.

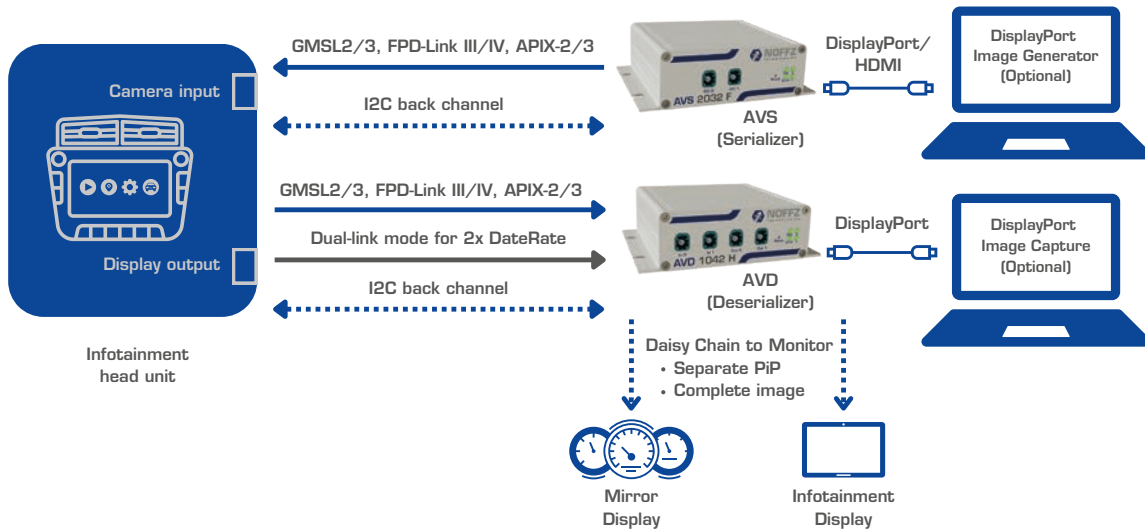
### SUPPORTS

Our test tools are compatible with the latest protocols, ensuring versatility and future-proofing your testing setup. For exact video chip variants, please, contact us.

- › GMSL2/3
- › FPD-Link III/IV
- › APIX-2/3\*

\* Only applicable on certain models

### INFOTAINMENT DEVICE TEST WITH VIDEO SERIALIZER AND DESERIALIZER



### SPECIFICATIONS

<b>Interfaces (Front Panel)</b>	<b>AVS:</b> 2x serial output on HFM (or H-MTD) connectors <b>AVD:</b> 2x serial input on H-MTD (or HFM) connectors 2x serial output on H-MTD (or HFM) connectors for daisy-chaining
<b>Interfaces (Back Panel)</b>	<b>AVS:</b> 1x Display Port (or HDMI) image input, 1x Ethernet/LAN for DC power <b>AVD:</b> 2x Display Port image output (dual-mode, PiP), 1x Ethernet/LAN for DC power
<b>Supported Chipsets</b>	Maxim (Analog Devices) and TI (request for details)
<b>Temperature</b>	Maximum operating temperature range: 0 °C to 85 °C; maximum environmental temperature is 35 °C
<b>Operating Voltage</b>	Unregulated 9 V to 36 V (12 V, 0.5 A recommended)