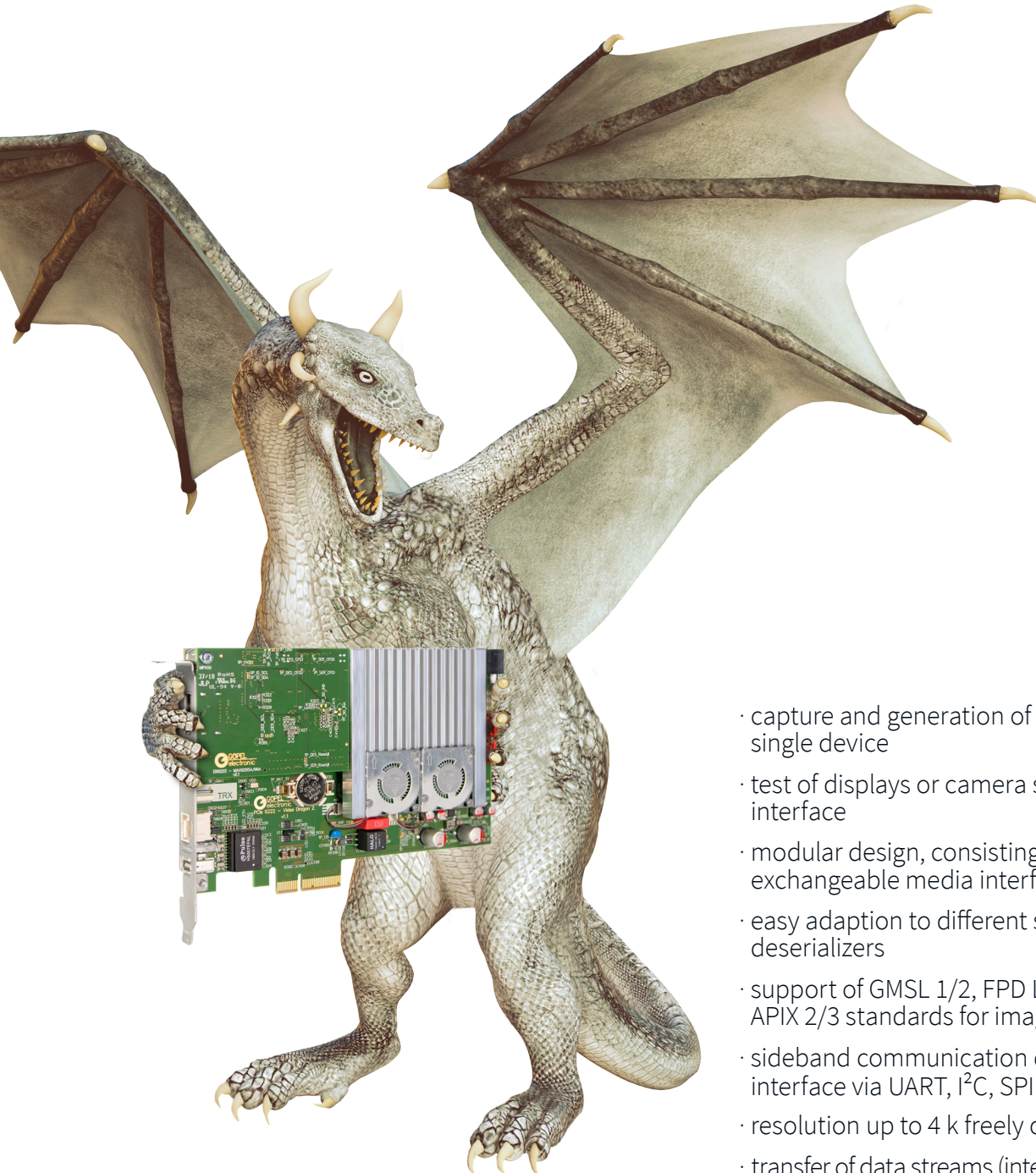




# G CAR 6222 Video Dragon

G PCIe 6222 Video Dragon  
Capture and generation of video data



**FPD  
LINK  
II · III**

**GMSL  
1·2**

**APIX  
2·3**

- capture and generation of video data in a single device
- test of displays or camera systems with LVDS interface
- modular design, consisting of baseboard and exchangeable media interface
- easy adaption to different serializers/deserializers
- support of GMSL 1/2, FPD Link II/III and APIX 2/3 standards for image data
- sideband communication depending on media interface via UART, I<sup>2</sup>C, SPI or MII
- resolution up to 4 k freely configurable
- transfer of data streams (integration into existing systems without influencing them)
- available as stand alone device  
G CAR 6222 Video Dragon and  
PCIe card G PCIe 6222 Video Dragon



## Parameters

|                                             |                                     |
|---------------------------------------------|-------------------------------------|
| resolution                                  | freely configurable up to 4 k       |
| video formats                               | RGB888, YUV422 and RAW              |
| digital I/O                                 | 2 digital inputs, 2 digital outputs |
| options                                     | CAN FD interface, CAN via UART      |
| temperature range                           | 0- 50 °C                            |
| host interface<br>(G CAR 6222 Video Dragon) | 1 GBit Ethernet                     |

## Software

- G API for Windows and Linux
- LabVIEW VIs
- intuitive operating software Dragon Suite

## Modularity

- high flexibility regarding individual configuration
- exchangeable media interface modules
- support of all current serializer / deserializer



## Performance

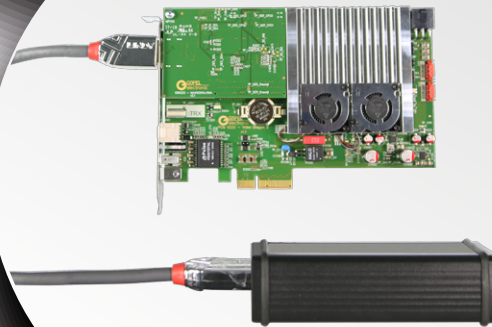
- based on a Xilinx MPSoC with Quad-Core ARM Cortex-A53 and FPGA
- Realtime Operating System
- lowest latencies
- 4 x PCIe Gen2 (G PCIe 6222)

## Application

- test of display or camera systems with LVDS interface
- sideband communication
- integration into existing systems without influencing them

## Transmission standards

- FPD-Link II / FPD-Link III
- GMSL 1 / GMSL 2
- APIX 2 / APIX 3



G Patch 6222

## Options

- CAN FD interface
- CAN via UART

## Sideband

- UART
- SPI
- I<sup>2</sup>C
- MII

G CAR 6222 Video Dragon  
G PCIe 6222 Video Dragon

• Made in Germany