



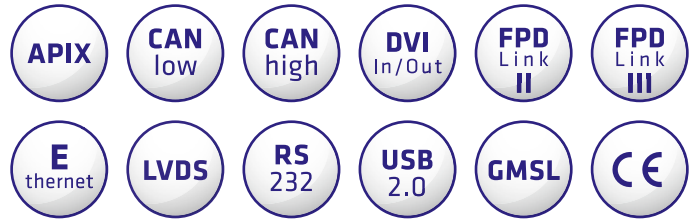
---

RUETZ

---

FrameGrabber

---



---

GRABBING AND SENDING WITH ONE DEVICE.

---

RUETZ FrameGrabber was developed for testing LVDS control devices and or storing or reproducing image information. Storage and sender functionalities can be adapted with the help of the flexible platform depending on the OEM customer requirement and operating concept. All required sending/receiving parameters on a PC are adjusted for image transfer with the corresponding PC software.



---

## BENEFITS

---

- Grabbing, saving and sending of individual images, videos and data
- Use as LVDS/DVI or DVI/LVDS converter
- High-performance DLL for implementation of customer-specific requirements
- Modular set-up making possible an easy adaptation to individual requirements
- Generation of test images, videos and menu surfaces
- User-defined configuration of video codecs
- CAN-link-up (e.g. sending of terminal/lightness telegrams)
- Stand-alone operation possible

---

## OPERATION AS A GRABBER

---

- LVDS Input/Output (LVDS subboard)
- Possible looping through of LVDS signal to output
- Image transmission via USB / Ethernet
- Storage on external storage media in stand-alone operation
- • PC Software „SNAPSHOT“ for grabbing images and videos
- • High-performance DLL for implementation of customer-specific testing applications

---

## OPERATION AS A SENDER

---

- LVDS Output (LVDS subboard)
- Image transmission via USB / DVI
- Reproducing of images/videos from external storage media in standalone operation
- Additional transmission of sideband channels (e.g. SPI, I2C, I2S)
- Simulation of control devices (sending of telegrams)
- PC software „LVDS Player“ for sending of images and videos
- Modular hardware adaptation possible (RUETZ ImageGenerator)
  - e.g. 6 × LVDS OUT
  - Operating elements for stand-alone operation

---

## OPTIONAL FURTHER DEVELOPMENTS

---

- Link-up of external storage media for stand-alone operation (Ethernet hard drive/USB stick or SD card)
- Realisation of individual displays (e.g. menu surface for motor sports)
- Ability for remote operation via GBIT link up (e.g. synchronous storage and sending of data, remote maintenance)
- and much more!

---

## FUNCTIONALITY

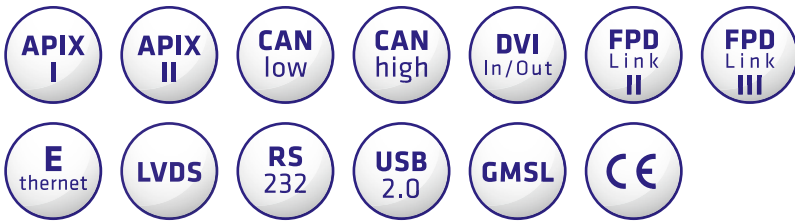
---

- Compact stand-alone device
- Power supply 9 – 16V
- Link-up of sideband channels
- FLASH 8 MByte
- 2 × 64 MByte DDR2-SDRAM (Bus width 2 × 32 bit)
- External interfaces
  - LVDS IN/OUT (LVDS subboard)
  - USB 2.0 Slave (link-up to PC)
  - 1000-MBit Ethernet
  - CAN
  - DVI In/Out
  - Digital I/Os

## GRABBING AND SENDING WITH ONE DEVICE.

### TECHNICAL DATA

Dimensions W×H×D	165 × 45 × 140 mm
Weight	0,7 kg
Power consumption max.	4 W
Operating voltage	9 – 16 V DC
Electr. total current consumption	Max. 300 mA @ 12 V DC
Output voltage	-
Protection Class	3
Protection Type	IP30
Humidity	Max. 90 % RH, non-condensing
Storage temperature	-40 °C to +85 °C
Operating temperature	+5 °C to +45 °C
Conditions of use	Laboratory
Degree of pollution	1



### YOUR CONTACT PARTNER

We are available to provide support and advice at all times – please contact us to arrange a meeting!

Michael Zapletal  
Key-Account

T +49 / 89 / 3 56 10-135  
michael.zapletal@ruetz.de

Andreas Grey  
Sales

T +49 / 89 / 3 56 10-175  
andreas.grey@ruetz.de

### RUETZ TECHNOLOGIES GmbH

Walter-Gropius-Strasse 17  
80807 München  
Germany

T +49 / 89 / 3 56 10-0  
F +49 / 89 / 3 56 10-111

www.ruetz.de  
info@ruetz.de

Managing Director: Stefan Ruetz  
Registry court München HRB 87510