

USB-Interface with Electronic Shutter technical specifications

1. Supply:

- 1.1 by USB Port, min. 4,4V, max. 5,25V, /100mA, recharge time to availability ≤ 2 Min.
- 1.2 by additional power supply, recommended "Universal-Netzteil" EA 0196-5, Id.-Nr.:1017971
 - 1.2.1 Voltage1: (U_1): 5...7,5V DC, non stable, ripple voltage $< 0,2V_{ss}$
 - 1.2.1.1 Current1: < 20 mA – stand by,
 - 1.2.1.2 Current1: < 450 mA – during iris control,
 - 1.2.2 Voltage2: (U_2): 32...38V DC, non stable
 - 1.2.2.1 Current2: 0mA – stand by,
 - 1.2.2.2 Current2: 800mA/20ms – during shutter opening,

2. USB-Interface:

USB 1.1 / USB 2.0 full-speed interface

3. Temperature range:

Storage temperature: $-25^{\circ} \dots +85^{\circ}C$
Operating temperature: $0^{\circ} \dots +45^{\circ}C$

Without additional power supply you can handle a USB-Interface only limited:

- Iris setting: Max. 3 times without interruption, followed a break ≥ 30 s
- Shutter release: Multishoot at 1/60s, time between the Shoots $\Delta t \geq 2$ s
- Shutter release: up to 10 times with $\Delta t = 1$ s, followed a break ≥ 30 s
- Long time shutter opening up to a opened time 1 Min, followed a break ≥ 30 s