

## Modul No.1 mini

### Embedded Technology for Medical Solutions

The Modul No.1 mini is a system for digital, wireless FullHD video transmission in real time. The video transmission system complies with DIN EN/IEC 60601-1 and DIN EN/IEC 60601-1-2. Therefore, the system is suitable for patient-side applications.

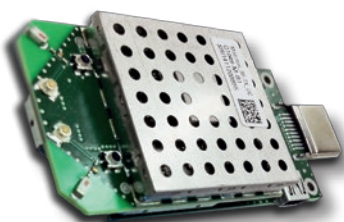
The transmission of the video signal is reliable (bi-directional) and uncompressed thus the latency is smaller than 1ms. It is a multicast system with up to four receivers.

The Modul No.1 mini can transmit without line of sight over a distance of up to 40 m under optimum conditions. The wireless technology enables freedom of movement and minimal cleaning effort.

#### Highlights:

- Multicast with up to 4 receivers
- Real time transmission (latency < 1ms)
- Up to Full HD resolution
- Secure and reliable signal transmission in 5GHz band (bi-directional)
- No direct line of sight required (up to 40m distance)
- Compact form, low weight
- Plug-and-play
- Customer specific integration possible
- For use in patient-side applications

#### Modul No.1 mini - Transmitter / Receiver



CHARACTERISTIC	TRANSMITTER	RECEIVER
Latency	< 1 ms	< 1 ms
Resolution	720x480p59,94 720x480p60 720x480i59,94 720x480i60  720x576p50 720x576i50	1280x720p50 1280x720p59 1280x720p60  1920x1080i50 1920x1080i59,94 1920x1080i60 1920x1080p23,98 1920x1080p24 1920x1080p59,94 1920x1080p60
Audio	Dolby 5.1	Dolby 5.1
Frequency Band	5,180 – 5,825 GHz	5,180 – 5,825 GHz
DFS Frequencies	5,270 – 5,310 GHz and 5,500 – 5,670 GHz	5,270 – 5,310 GHz and 5,500 – 5,670 GHz
Modulation	OFDM/QAM	OFDM/QAM
Transmission	Integrated multi antenna system	Integrated multi antenna system
Range	Up to 40m under optimal environmental conditions	Up to 40m under optimal environmental conditions
Weight	50 g case included	less than 250 g
Size (L/W/H)	82 mm x 40 mm x 21 mm	146 mm x 117 mm x 28 mm
Power Supply	USB mini-B plug; 5 V DC ; 500mA	HR10; 10,5 V – 36 V DC
Power Consumption	2,5 W	5-6 W
Video Interface	HDMI	HDMI
Housing	ABS	ABS
Product Certification	CE, FCC, medical Class B	CE, FCC
Storage Temperature	-40°C ... +85°C at 10 % – 90 % humidity	-40°C ... +85°C at 10 % – 90,% humidity
Operating Temperature	0°C ... +40°C at 10 % – 90 % humidity	0°C ... +40°C at 10 % – 90 % humidity

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