

Virtuelles Green-Board-System

# 4K Pro Presentation System

## VGB-4000

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Video Format            | 3840x2160p 60/59.94/50/30/29.97/25<br>1080p 60/59.94/50/30/29.97/25<br>1080i 60/59.94/50                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Video Input             | 1x 12G/6G/3G-SDI<br>2x HDMI2.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| AUX Input               | 1x HDMI1.4 (Lumakey Overlay or External Matte or Camera)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Video Output            | 2x 12G/6G/3G-SDI<br>1x HDMI 2.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Video PVW Output        | 1x 12G/6G/3G-SDI<br>1x HDMI 2.0<br>1x 12G/6G/3G-SDI Camera loop out                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Chromakey Control       | PC to the RJ-45                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Audio Input             | 3 x balanced stereo audio / Microphone<br>(3 Pin XLR / 1/4" (6.3mm) Socket)<br>2 x unbalanced stereo audio, RCA sockets                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Audio Signal Spec.      | Line Input (XLR):<br>Bandwidth: 20Hz~20KHz < +/- 3dB<br>S/N Ratio: > 80 dB @1KHz, 14dBu (signal level)<br>T.H.D.: < 0.01% @1KHz,14dBu<br>Isolation: > 75dB<br><br>Line Input (RCA):<br>Bandwidth: 20Hz~20KHz < +/- 3dB<br>S/N Ratio: > 80 dB @1KHz,0dBV (signal level)<br>T.H.D.: < 0.01% @1KHz,0dBV<br>Isolation: > 75dB<br><br>Mic Input (XLR):<br>Bandwidth: 20Hz~20KHz < +/- 3dB<br>S/N Ratio:<br>> 75 dB @1KHz, +20dB gain<br>> 70 dB @1KHz, +40dB gain<br>T.H.D.:<br>< 0.03% @1KHz, +20dB gain<br>< 0.5% @1KHz, +40dB gain<br>Isolation:<br>> 75dB @+20dB gain<br>> 70dB @+40dB gain |
| Audio Signal Delay Time | Up to 3000ms                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Foot Switch Input       | 1 x 3 pin mini XLR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

## Streaming

|                  |                                                    |
|------------------|----------------------------------------------------|
| Streaming Output | 1 x RJ-45 (10/100M Ethernet)<br>1 x USB 2.0 Type A |
|------------------|----------------------------------------------------|

|                            |                                                                                                                        |
|----------------------------|------------------------------------------------------------------------------------------------------------------------|
| Streaming Video Encoding   | H.264/AVC High Profile Level 4.1                                                                                       |
| Streaming Audio Encoding   | AAC-LC<br>Sample rate: 48KHz, 16bit<br>Configurable bit rate: 128K or 256K or 384K                                     |
| Streaming Video Resolution | 1080p 60/59.94/50<br>1080p 30/29.97/25/24/23.98<br>1080i 60/59.94/50<br>720p 60/59.94/50<br>480i 59.94, 576i 50        |
| Streaming Protocols        | TS over TCP/UDP (unicast & multicast)<br>RTSP over HTTP/TCP/UDP (RTSP Elementary Stream)<br>RTMP/RTMPS(Publish)<br>SRT |

## Recording

|                                           |                                                                                                                                   |
|-------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| Recorded Video Format                     | 2160p 23.98/24/25/29.97/30/50/59.94/60Hz<br>1080p 23.98/24/25/29.97/30/50/59.94/60Hz<br>1080i 50/59.94/60Hz<br>720p 50/59.94/60Hz |
| Recorded Audio Format                     | Uncompressed PCM<br>Sampling rate 24bit 48KHz                                                                                     |
| Recorded File Format                      | QuickTime. MOV                                                                                                                    |
| Recording Media                           | 2x 2.5" Removable SSD                                                                                                             |
| Recording Storage File System             | exFAT                                                                                                                             |
| Multi-channel Recording                   | Yes, 4-CH HD                                                                                                                      |
| Video Recording Bit Rate / Color Sampling | ProRes 422 HQ<br>ProRes 422<br>ProRes 422 LT<br>ProRes 422 Proxy                                                                  |
| Preview Display                           | 5" Touch LCD                                                                                                                      |

## Others

|                       |                                                                                                                                   |
|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| Dimension             | 496 x 460 x 212 mm                                                                                                                |
| Weight                | 20 kg                                                                                                                             |
| Operating Temp. Range | 0~40 °C                                                                                                                           |
| Power                 | AC 100-240 VAC<br>DC 12V 400W                                                                                                     |
| What's in the Box     | VGB-4000 Main Unit<br>HE-4 (External 2.5" HDD Case)<br>FS-220 Foot Switch<br>VP-840 Unit<br>AC Power Cord<br>SATA to USB3.0 cable |