

Virtuelles Green-Board-System

## 2-Channel Professional presentation system

### VGB-2000

|                         |                                                             |
|-------------------------|-------------------------------------------------------------|
| Video Format            | 1080i 50/59.94/60Hz<br>720p 50/59.94/60Hz                   |
| Video Input             | 4 x SD/HD/3G-SDI<br>2 x HDMI                                |
| AUX Input               | ---                                                         |
| Video Output            | 1 x SD/HD/3G-SDI<br>3 x HDMI                                |
| Video PVW Output        | ---                                                         |
| ChromaKey Control       | PC to the RJ-45                                             |
| Audio Input             | 1x XLR balanced MIC IN<br>2 x unbalanced RCA IN             |
| Audio Signal Spec.      | Bandwidth: 20~20KHz< +/-3dB<br>S/N Ratio>70dB<br>T.H.D<0.1% |
| Audio Signal Delay Time | 10~700ms<br>(1 frame PAL=40ms, 1 frame NTSC= 33.333' ms)    |
| 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 video CODEC, up to High Profile Level 4.0<br>Configurable Bit-rate up to 6Mbps                                        |
| Streaming Audio Encoding   | AAC-LC<br>Configurable bitrate range from 32Kbps to 384Kbps<br>Sample rate : 48KHz, 16bit                                         |
| 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 Streaming)<br>RTMP/RTMPS (Publish)<br>HLS<br>SRT |

### Recording

|                                           |                                                                                                                                                                                                                                                                                                                                                                                     |
|-------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Recorded Video Format                     | 1080p 23.97/24Hz<br>1080i 50/59.94/60Hz<br>720p 50/59.94/60Hz<br>576i 50Hz, 480i 59.94Hz                                                                                                                                                                                                                                                                                            |
| Recorded Audio Format                     | Uncompressed PCM<br>Sampling rate 24bit 48KHz                                                                                                                                                                                                                                                                                                                                       |
| Recorded File Format                      | MXF OP1A, MOV                                                                                                                                                                                                                                                                                                                                                                       |
| Recording Media                           | 1x 2.5" Removable HDD/ SSD                                                                                                                                                                                                                                                                                                                                                          |
| Recording Storage File System             | NTFS (read only)                                                                                                                                                                                                                                                                                                                                                                    |
| Multi-channel Recording                   | ---                                                                                                                                                                                                                                                                                                                                                                                 |
| Video Recording Bit Rate / Color Sampling | MPEG2 Long GOP HD:<br>1. 10/ 25Mbps 4:2:0 1440x1080/1280x720,<br>2. 35/ 50/ 65/ 120Mbps 4:2:2 1920x1080/1280x720,<br>MPEG2 Long GOP SD:<br>1. 8Mbps 4:2:0 720x480/720x576 (to be F/W upgrade)<br>2. 15/ 30/ 50Mbps 4:2:2 720x480/720x576<br>MPEG2 I-Frame Only HD:<br>1. 80/ 100/ 125Mbps 4:2:2 1920x1080/1280x720<br>MPEG2 I-Frame Only SD:<br>1. 25/ 50Mbps 4:2:2 720x480/720x576 |
| Preview Display                           | ---                                                                                                                                                                                                                                                                                                                                                                                 |

## 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     | 1 x VGB-2000 Main Unit<br>1 x HE-1 (External 2.5" HDD Case)<br>1 x FS-220 Foot Switch<br>1 x VP-840 Unit<br>1 x TPC-700 Unit<br>Power Cord |