

## BBV-WCS - BlueBox Video Wall Controller Series

The powerful multi GPU embedded Wall Controller Series eliminates complex network arrangement of many machines driving a video wall. A tailored single 2U or 3U custom appliance provides a resistant enclosure for physical durability, thermal optimization and reduced power consumption. All hardware is sourced from long life industrial grade embedded Intel and NVIDIA components.

### Hardware

- Affordable Eight1080, Nine1080, Six4k & Eight4k Controllers
- Integrated custom solution
- Single Windows 10 desktop canvas
- Powerful CPU processing with GPU acceleration
- Resolution, frame rate and encode format agnostic
- Low power consumption
- 24/7 Operation
- Simplified integrator installation
- EDID Emulation
- Active output re-drivers for long cable length
- Rack mounting
- 2U & 3U form factors
- DisplayPort or HDMI outputs
- 3 year warranty as standard 5 year extended

### Software

- Native Windows 10 choice of VMS video wall software
- Alternative BlueBox interface options include SDK and browser based GUI
- Text based TCP Server allowing custom Event Server integration
- Accelerated GPU H264, H265, MJPEG, MPEG2 & VC8 decoding
- Other video decode formats supported via CPU rollover
- RFC2326 Real Time Streaming Protocol (RTSP) conformance
- Accelerated fisheye camera dewarping



Technical Specification	Eight1080	Nine1080	Six4k	Eight4k
Displays	8	9	6	8
Max. Resolution per Display	1080p	1080p	4k	4k
GPU CODECS	H264 - H265 - MPEG2 - MJPEG - VC8			
CPU CODECS	<a href="http://www.ffmpeg.org/general.html#Video-Codex">http://www.ffmpeg.org/general.html#Video-Codex</a>			
Max. H264 25FPS Decode Examples	24 x FHD 32 x HD 48 x D1		26 x FHD 36 x HD 58 x D1	48 x FHD 62 x HD 98 x D1
Max. H264 25FPS Decode per output	No restriction		4 x FHD 6 x HD 9 x D1	6 x FHD 8 x HD 12 x D1
<b>Operation</b>				
Platform	Windows 10 Pro 64 Bit			
Disk	2.5" SSD			
CPU	7th Gen i7 Kaby	Xeon E3-1578L V5		Dual Xeon 4114
RAM	2 x 4GB DDR4			
<b>Connectivity</b>				
Network	2 x 1Gb NIC			
USB	2 x USB 2.0 & 2 x USB 3.0			
Display	DisplayPort 1.2 & Active DP - HDMI Adapters			
<b>Physical</b>				
Form factor	2U rackmount			3U rackmount
Size (D x W x H)mm	220 x 482 x 88			415 x 482 x 133
Max. weight	3 Kg			4 Kg
Operation temperature	5°C to 40°C 41°F to 104°F			
Operating relative humidity (non-condensing)	20% to 80%			
<b>Power</b>				
Power input	100-240v AC 50/60Hz			
Power consumption	180w			750w
<b>Warranty</b>				
Standard	3-years			
Extended	Up to 5-years			