VIEWPixx Series Comparison Chart

	VIEWPixx /EEG	VIEWPixx Lite	VIEWPixx /3D Lite	VIEWPixx	VIEWPixx /3D	Consumer LCD
High refresh rate	120Hz	120Hz	120Hz	120Hz	120Hz	60 or 120Hz
High bit depth RGB intensity	8bit	12bit	10bit	12bit	10bit	6bit +FRC
Fast pixel response time	1ms	1ms - 7ms	1ms	1ms - 7ms	1ms	5ms typ
Display luminance uniformity	95% typ	95% typ	95% typ	95% typ	95% typ	<80% typ
Display color uniformity	90% typ	95% typ	95% typ	95% typ	95% typ	<80% typ
Backlight technology	White LED	RGB LED	RGB LED	RGB LED	RGB LED	White LED or CCFL
Wide gamut LED backlight	Medium	High	High	High	High	Medium - Low
Factory white point D65 calibrated	✗	✓	✓	✓	✓	✗
Scanning backlight for fast pixel transitions	✓	✓	✓	✓	✓	✗
Pixel rise and fall time symmetry	✓	✓	✓	✓	✓	✗
VESA 3D interface	✗	✓	✓	✓	✓	?
3D optimization	✗	✗	✓	✗	✓	?
Eliminate all consumer display image processing “enhancements”	✓	✓	✓	✓	✓	✗
Deterministic timing between reception of video signal and update of display pixels	✓	✓	✓	✓	✓	✗
Multiple displays can be synchronized, showing copies or subsets of original video	✗	✓	✓	✓	✓	✗
All I/O’s feature microsecond synchronization to video refresh	Digital out only	✓	✓	✓	✓	✗
Response box interface	✗	✓	✓	✓	✓	✗
24 TTL inputs	✗	✓	✓	✓	✓	✗
24 TTL outputs	✓	✓	✓	✓	✓	✗
Digital to Analog Converter, 4 channels	✗	✗	✗	✓	✓	✗
Analog to Digital Converter, 16 channels	✗	✗	✗	✓	✓	✗
Stereo audio input	✗	✗	✗	✓	✓	✗
Stereo audio output	✗	✗	✗	✓	✓	✗