4K NATIVE RESOLUTION LCoS

8K INTERPOLATION UHD

8K INTERPOLATION UHDX

BLUEscent 3 000 Lumens Laser Source

HDMI™ 2.1

HDR10+

3D

LOW LATENCY

CineVERSUM

VOF

cover: The Tomorrow War© by courtesy of SSQ Audio

BLACKWING LASER MK2022 SERIES

FIRST 8K HDR10+ LASER VIDEO-PROJECTORS FOR HOME-CINEMA

Model Version		BlackWing 1-L MK2022	BlackWing 2-L MK2022	BlackWing Elite-L MK2022
Standard P/N		R9202201	R9202202	R9202203
Panel Resolution		3 x 4 096 x 2 160 (4K Resolution)		
Light Engine Technology		3 x LCoS 0.69" 2nd generation 4K panels	3 x LCoS 0.69" 2nd generation 4K panels with Ultra-High Contrast Optics	
Display Resolution		8 192 x 4 320 (8K Resolution with UHD Interpolation)	8 192 x 4 320 (8K Resolution with *UHD X Interpolation*)	
Signal Compatibility		UHD Blu-ray disks up to 8K60p / 4K120p HDR 10+ content with 2 dynamic tone mappings and Frame Adapt HDR HLG (Hybrid Log Gamma) for broadcasting and streaming services High Frame Rate and Low Latency gaming Consoles		
Optical Lens		Standard full-glass 65 mm diameter lens		Premium 100 mm diameter lens with Low Dispersion elements, 8K optimized
Throw Ratio (16:9)		1.44:1 - 2.88:1 motorized 2 x zoom		1.37:1 - 2.74:1 motorized 2 x zoom
Screen Size (16:9)		60" - 200" diagonal		60" - 300" diagonal
Optical Offset		Motorized: ± 80% vertical, ± 34% horizontal		Motorized: ± 100% vertical, ± 43% horizontal
Light Source & Lifetime		Laser Diode - up to 20 000 hours or 20 years (no replacement needed)		
Brightness after calibration (Ansi lumens)		2 200	2 500	3 000
Native Contrast Ratio		40 000:1	80 000:1	100 000:1
Dynamic Contrast Ratio		INFINITY:1		
Lens Positions		10 Installation Memories		
Noise Level		Less than 22 dB (when set to low power mode)		
Inputs		2x HDMI 2.1 input with HDCP 2.3 (48 Gbps transmission band]		
Expert Calibration Menu		YES (for calibration expert only)		
Picture Modes		4 Presets + Film + 6 Users + 2 for Installation Experts only		4 Presets + Film + 6 Users + 4 for Installation Experts only
Color Space Profiles		9 Presets + 6 Customs		10 Presets + 6 Customs
Video Processing		HDR10+ Auto-Tone mapping HDR Picture modes with Perceptual Quantization (PQ) EOTF and Hybrid Log gamma HDR colorimetry and MaxCLL / MaxFALL meta-data auto-detect Low Latency/Game mode @120Hz for real time simulation and gaming experiences Blur Reduction, 400 Hz Crystal Motion® Theater Optimizer Function	HDR10+ Auto-Tone mapping HDR Picture modes with Perceptual Quantization (PQ) EOTF and Hybrid Log gamma HDR colorimetry and MaxCLL / MaxFALL meta-data auto-detect Low Latency/Game mode @120Hz for real time simulation and gaming experiences Blur Reduction, 400 Hz Crystal Motion® Theater Optimizer Function DCI-P3 and BT.2020 74% Color Profiles	
E-Shift		UHD 8K Interpolation (8192 x 4320)	UHD-X 4-way 8K Interpolation (8192 x 4320)	
Color Modes		REC.709, DCI-P3, BT.2020	REC.709, wide gamut (Cinema filter, DCI-P3, BT.2020 74%	
Power Voltage and Consumption		AC 110~240V 50/60Hz 420 W 0.3 W in Eco Mode standby 1.5 W with LAN	AC 110~240V 50/60Hz 440 W 0.3 W in Eco Mode standby 1.5W with LAN	
Home Automation Control		RS-232 (Dsub 9) / LAN RJ45 / 12V Trigger (100mA)		
Weight		26 kg (57.3 lbs)		28 kg (61.7 lbs)
Dimensions (W x H x D)		54 x 26 x 57 cm (21.3" x 10.3" x 22.3")		
Box Dimensions (L x W x H)		66 x 65 x 44 cm - 32 kg (70.5 lbs)		
OPTIONS	Active 3D Glasses	RF Active Shutter 3D glasses (P/N R1048223) with RF 3D Dongle (P/N R1048229)		
	Ceiling Mount Kit	Fixed (P/N R9852068) - Motorized 1 meter Lift (P/N M9201400) - Motorized 2 Meters Lift (P/N M9201404)		
	Other Options	Static Anamorphic Lens Kit, Special colors and finishes on demand, Passive 3D glasses.		