

All Laser Technology is Not Created Equal

Ensure your choice of laser projectors include the most advanced technology features:

NEC laser phosphor projector features include:

- 20,000-plus hours of virtually maintenance-free operation
- HDBaseT* for easy connection and cost saving installation
- Tilt-free and Portrait mode features improving installation flexibility
- Adjustable light source for control in any ambient lighting condition
- Constant Brightness Mode sustains light output over a long period of time



Explore NEC's Laser Phosphor Projector Lineup



- Imaging Device Lifetime – Equal to or greater than light source
- White/Color uniformity – Uniform from corner to corner
- Virtually maintenance free – Filter free
- 24/7 operation - suited for Network Operation Centers and Digital Signage applications*

*DLP models only (P506QL, PX and PH Series)

PE455WL		PE455UL	
Display Technology		0.64" LCD w MLA	
Light Output (lumens)		4,500 normal / Eco = variable	
Resolution	Native	WXGA 1280 x 800	WUXGA 1920 x 1200
	Maximum	4K@30Hz 3840 x 2160	
Contrast Ratio (up to)		450,000:1 with dynamic contrast	
Lamp Life (up to)		20,000 hours	
Screen Size (diagonal)		25 to 300 in. / 0.67 to 7.6m	
Throw Ratio		1.2 - 2.1:1	1.23 - 2.0:1
Projection Distance		2.6 - 44.3 ft. / 0.8 - 13.5m	
Projection Angle		0 to 9.6° tele / 0 to 15.9° wide	0 to 10.8° tele / 0 to 17.0° wide
Lens	Zoom	Manual	
	Zoom Ratio	1.7:1	1.6:1
	Focus	Manual	
	F-number, f-number	F= 1.7~2.2, f= 17.4 to 29.0mm	F= 1.5~2.1, f= 17.2 to 27.6mm
	Shift	Manual (H = +/- 26% / V = 0%~+55%)	Manual (H = +/- 29% / V = 0%~+60%)
Keystone Correction		+/- 30° horizontal, +/- 30° vertical	
Synchronization Range	Horizontal	15 to 100KHz (RGB: 24kHz or over)	
	Vertical	50 to 120Hz	
Supported Video Standards			
SD/HD Video Signal Compatibility		4K, 1080p, 1080i, 720p, 576p, 576i, 480p, 480i	
PC Signal Compatibility		VGA, SVGA, XGA, WXGA, Quad-VGA, SXGA, SXGA+, WXGA+, WXGA++, WSXGA+, WUXGA	
Macintosh Compatibility		Yes	
Input/Output Terminals	RGB1 (analog)	VGA 15 pin D-sub, Component video using ADP-CV1E adapter	
	RGB2 (analog)		
	RGB1 (Digital)		
	RGB2 (digital)	HDMI (w/HDCPv1.4)	
	RGB3 (digital)	HDMI (w/HDCPv1.4)	
	RGB4 (digital)		
	RGB5 (digital)		
	RGB6 (digital)		
	Option Slot		
	Video		
	Audio 1	Stereo Mini Jack	
	Audio 2		
	Audio Out	Stereo Mini Jack	
	Monitor Out		
	USB Type A	Memory, (2A)	
	USB Type A (behind cover)	Wireless LAN (optional)	
USB Type B (behind cover)	USB Service		
Wired LAN port		RJ45 (100Base-TX/10Base-T)	
3D Sync Line			
Audio		16W mono	
External Control		RS-232 (D-Sub 9pin), IR, RJ-45	
Sync Compatibility			
Power Requirements		100 – 240V AC, 50/60Hz	
Input Current		4.5 - 1.8A	4.9 - 2.0A
Power Consumption		279W / 216W / 1.6W / 0.13W	316W / 226W / 1.6W / 0.13W
Installation Orientation		Floor/Front, Floor/Rear, Ceiling/Front, Ceiling/Rear	
Dimensions (WxDxH)		18.9 x 16.0 x 5.6 in. / 480 x 407 x 142.5mm	
Net Weight		20.7 lbs. / 9.4 kg	
Fan Noise		27 dB normal / 22 dB eco	
Regulations		"USA: UL60950-1:2nd edition,2014, UL62368-1:2nd Edition, FDA, FCC Part15 Subpart B(ANSI C63.4:2014), Proposition65, TPCH Canada: CAN/CSA C22.2 No.60950-1-07,2nd Edition,2014, ICES-003 Issue6(ANSI C63.4:2014)"	
Operating Temperature		41° – 104°F / 5° – 40°C	
Humidity		20-80% non-condensing	
Storage		14° – 122°F / -10° – 50°C	

		P525WL	P525UL	P605UL	P506QL
Display Technology		0.64" LCD w MLA			0.47" DMD
Light Output (lumens)		5,000 normal / Eco = variable		6,000 normal / Eco = variable	5,000 normal / 3,000 Eco
Resolution	Native	WXGA 1280 x 800	WUXGA 1920 x 1200		4K UHD 3840 x 2160
	Maximum	4K@30Hz 3840 x 2160			4K@60Hz 3840 x 2160
Contrast Ratio (up to)		500,000:1 with dynamic contrast			
Lamp Life (up to)		20,000 hours			
Screen Size (diagonal)		25 to 300 in. / 0.67 to 7.6m			50 to 310 in. / 1.27 to 7.87m
Throw Ratio		1.23 - 2.0:1			1.127 - 1.697:1
Projection Distance		2.6 - 44.3 ft. / 0.8 - 13.5m			5.2 - 26.2 ft. / 1.6 - 8m
Projection Angle		0 to 10.8° tele / 0 to 17.0° wide			25.46° tele / 34.5° wide
Lens	Zoom	Manual			
	Zoom Ratio	1.6:1			1.5:1
	Focus	Manual			
	F-number, f-number	F= 1.5~2.1, f= 17.2 to 27.6mm			F= 1.8~2.43, f= 12.1 to 18.1mm
Shift		Manual (H = +/- 29% / V = 0%~+60%)			Manual (H = +/- 20% / V = +/- 60%)
Keystone Correction		+/- 30° horizontal, +/- 30° vertical			Vertical
Synchronization Range	Horizontal	15 to 100KHz (RGB: 24kHz or over)			16 to 153KHz (RGB: 24-100kHz)
	Vertical	50 to 120Hz			48 to 100Hz
Supported Video Standards					
SD/HD Video Signal Compatibility		4K, 1080p, 1080i, 720p, 576p, 576i, 480p, 480i			
PC Signal Compatibility		VGA, SVGA, XGA, WXGA, Quad-VGA, SXGA, SXGA+, WXGA+, WXGA++, WSXGA+, WUXGA			VGA, SVGA, XGA, WXGA, Quad-VGA, SXGA, SXGA+, WXGA+, UXGA, WSXGA+
Macintosh Compatibility		Yes			
Input/Output Terminals	RGB1 (analog)	VGA 15 pin D-sub, Component video using ADP-CV1E adapter			
	RGB2 (analog)				
	RGB1 (Digital)				
	RGB2 (digital)	HDMI (w/HDCPv1.4)			HDMI (w/HDCPv2.0)
	RGB3 (digital)	HDMI (w/HDCPv1.4)			HDMI (w/HDCPv2.0)
	RGB4 (digital)	HDBaseT			
	RGB5 (digital)				
	RGB6 (digital)				
	Option Slot				
	Video				
	Audio 1	Stereo Mini Jack			
	Audio 2				
	Audio Out	Stereo Mini Jack			
	Monitor Out				
USB Type A	Memory, (2A)			5V/2.0A Power	
USB Type A (behind cover)	Wireless LAN (optional)				
USB Type B (behind cover)	USB Service				
Wired LAN port	RJ45 (100Base-TX/10Base-T)				
3D Sync Line					
Audio	20W mono			10W mono	
External Control	RS-232 (D-Sub 9pin), IR, RJ-45				
Sync Compatibility					
Power Requirements		100 - 240VAC, 50/60Hz			
Input Current	5.0 - 2.1A	5.1 - 2.1A	5.5 - 2.3A	6.0A	
Power Consumption	320W / 232W / 1.4W / 0.13W	330W / 240W / 1.4W / 0.13W	367W / 261W / 1.4W / 0.13W	580W / 330W / 2W / 0.5W	
Installation Orientation		Floor/Front, Floor/Rear, Ceiling/Front, Ceiling/Rear			
Dimensions (WxDxH)	18.9 x 16.0 x 5.6 in. / 480 x 407 x 142.5mm			18.9 x 15.7 x 6.8 in. / 480 x 407 x 142.5mm	
Net Weight	21.3 lbs. / 9.7 kg			25.4 lbs. / 11.5 kg	
Fan Noise	27 dB normal / 22 dB eco		28 dB normal / 19 dB eco	35 dB normal / 32 dB eco	
Regulations	"USA: UL60950-1:2nd edition,2014, UL62368-1:2nd Edition, FDA, FCC Part15 Subpart B(ANSI C63.4:2014), Proposition65, TPCH Canada: CAN/CSA C22.2 No.60950-1-07,2nd Edition,2014, ICES-003 Issue6(ANSI C63.4:2014)"			"UL60950-1:2nd edition,2014, UL62368-1:2nd Edition, UL62368-1:3rd Edition, FDA, FCC Part15 Subpart B(ANSI C63.4:2014), Proposition65, TPCH, CAN/CSA C22.2 No.62368-1-14,2nd Edition,2014, ICES-003 Issue6(ANSI C63.4:2014)"	
Operating Temperature	41° - 104°F / 5° - 40°C				
Humidity	20-80% non-condensing				
Storage	14° - 122°F / -10° - 50°C				

		PA703UL	PA803UL	PA1004UL	
Display Technology		0.76" LCD w MLA			
Light Output (lumens)		7,000 normal / Eco = variable	8,000 normal / Eco = variable	10,000 Boost Mode / Eco = variable	
Resolution	Native	WUXGA 1920 x 1200			
	Maximum	4K 4096 x 2160			
Contrast Ratio (up to)		2,500,000:1 with auto iris		3,000,000:1 with auto iris	
Lamp Life (up to)		20,000 hours			
Screen Size (diagonal)		50 to 500 in. / 1.27 to 12.7m			
Throw Ratio		NP44ML-01LK: 0.32:1			
		NP40ZL: 0.79 - 1.11			
		NP41ZL: 1.30 - 3.02			
		NP43ZL: 2.88 - 5.93			
				NP11FL: 0.8:1	
				NP12ZL: 1.16 – 1.56:1	
			NP13ZL: 1.46 – 3.02:1		
			NP14ZL: 2.90 – 4.79:1		
			NP15ZL: 4.59 – 7.02:1		
Projection Distance		2.5 to 68.5 ft. / 0.74 to 20.9m			
Projection Angle		10.3 to 10.8° tele / 13.7 to 14.5° wide			
Lens	Zoom	Motorized			
	Zoom Ratio	Variable			
	Focus	Motorized			
	F-number, f-number		NP44ML-01LK: F=2.0, f= 6.27mm		
			NP40ZL: F=2.0 to 2.5, f= 13.3 to 18.6mm		
			NP41ZL: F=1.7 to 2.0, f= 21.8 to 49.8mm		
			NP43ZL: F=2.2 to 2.6, f= 49.7 to 99.8mm		
				NP11FL: F= 2.3, f= 13.2mm	
			(NP12ZL) F= 2.2 to 2.69, f= 19.4 to 25.3mm		
			(NP13ZL) F= 1.7 to 2.37, f= 24.2 to 48.6mm		
			(NP14ZL) F= 2.2 to 2.64, f= 48.5 to 77.6mm		
			(NP15ZL) F=2.2 to 2.7, f= 76.6 to 116.5mm		
	Shift	Motorized +0.5/-0.1 vertical, +/- 30 horizontal			
Keystone Correction		+/- 40° horizontal, +/- 40° vertical			
Synchronization Range	Horizontal	Analog: 15-100kHz, Digital: 15-153kHz			
	Vertical	Analog: 48-120Hz, Digital: 24-120Hz			
Supported Video Standards		NTSC, NTSC4.43, PAL, PAL-60, PAL-M, PAL-N, SECAM			
SD/HD Video Signal Compatibility		4K, 1080p, 1080i, 720p, 576p, 576i, 480p, 480i			
PC Signal Compatibility		VGA, SVGA, XGA, SXGA, SXGA+, UXGA, WUXGA, 4K			
Macintosh Compatibility		Yes			
Input/Output Terminals	RGB1 (analog)	VGA 15 pin D-sub, Component video using ADP-CV1E adapter			
	RGB2 (analog)				
	RGB1 (Digital)				
	RGB2 (digital)	HDMI (V2.0) w/HDCP (V1.4/2.2)			
	RGB3 (digital)	HDMI (V2.0) w/HDCP (V1.4/2.2)			
	RGB4 (digital)	DisplayPort w/HDCP (V1.4)			
	RGB5 (digital)	HDBaseT w/HDCP (V1.4/2.2)			
	RGB6 (digital)				
	Option Slot				
	Video				
	Audio 1	Stereo Mini Jack			
	Audio 2				
	Audio Out				
	Monitor Out	HDBaseT			
USB Type A					
USB Type A (behind cover)					
USB Type B (behind cover)					
Wired LAN port					
3D Sync Line		3Pin D			
Audio					
External Control		RS-232, IR, HDBaseT, Stereo Mini , RJ-45			
Sync Compatibility		Separate Sync / Composite Sync / Sync on G			
Power Requirements		100 – 240V AC, 50/60Hz			
Input Current		10.5A - 4.5A	11.8A - 5.2A	11.8A - 5.2A	
Power Consumption		647W / 414W / 0.64W / 0.11	798W / 470W / 0.64W / 0.11	635W / 515W / 0.8W / 0.22W	
Installation Orientation		Floor/Front, Floor/Rear, Ceiling/Front, Ceiling/Rear			
Dimensions (WxDxH)		22.8 x 19.4 x 8.2 in. / 580 x 494 x 208mm		23.6 x 8.5 x 19.3 in. / 599 x 216 x 490mm	
Net Weight		40.1lbs. / 18.2 kg		50.7 lbs. / 23.0 kg	
Fan Noise		42 dB normal / 34 dB eco		35 dB normal / 32 dB eco	
Regulations		USA: FCC Part15 Subpart B(ANSI C63.4:2014), UL62368-1:2nd Edition Canada: CSA C22.2 No.60950-1-07,2nd Edition,2014, NOM		USA UL60950-1: 2nd edition, FCC Part15 Subpart B(ANSI C63.4.2014), CAN/CSA C22.2 No.60950-1-07,2nd Edition,2014, ICES-003 Issue6(ANSI C63.4:2014)	
Operating Temperature		41° – 104°F / 5° – 40°C			
Humidity		20-80% non-condensing			
Storage		14° – 122°F / -10° – 50°C			

		PX803UL	PX1004UL	PX1005QL	PX2000UL	
Display Technology		0.67" DMD		0.66" TRP DMD	DLP (0.96" DMD)	
Light Output (lumens)		8,000 normal / Eco = variable	10,000 normal / Eco = variable	10,000 normal / Eco = variable	20,000 (Center) Boost Mode	
Resolution	Native	WUXGA 1920 x 1200		4K UHD 3840 x 2160 Viewable	WUXGA 1920 x 1200	
	Maximum	4K 4096 x 2160		4K 4096 x 2160	WQXGA 2560 x 1600	
Contrast Ratio (up to)		15,000:1 with dynamic contrast		10,000:1 with dynamic contrast	10,000:1 with dynamic contrast	
Lamp Life (up to)		20,000 hours				
Screen Size (diagonal)		30 to 300 in. / 0.76 to 7.62m		40 to 500 in. / 1.57 to 19.7m	40 to 500 in. / 1.02 to 12.7m	
Throw Ratio		NP39ML: 0.38:1		NP39ML-4K: 0.38:1	NP45ZL: 0.9 - 1.2:1	
		NP31ZL: 0.75 - 0.93:1		NP31ZL-4K: 0.75 - 0.93:1	NP46ZL: 1.2 - 1.56:1	
		NP16FL: 0.76:1		NP16FL-4K: 0.76:1	NP47ZL: 1.5 - 2.0:1	
		NP17ZL: 1.25 - 1.79:1		NP17ZL-4K: 1.25 - 1.79:1	NP48ZL: 2.0 - 4.0:1	
		NP18ZL: 1.73 - 2.27:1		NP18ZL-4K: 1.73 - 2.27:1	NP49ZL: 4.0-7.0:1	
		NP19ZL: 2.22 - 3.67:1		NP19ZL-4K: 2.22 - 3.67:1		
		NP20ZL: 3.58 - 5.38:1		NP20ZL-4K: 3.58 - 5.38:1		
	NP21ZL: 5.31 - 8.26:1		NP21ZL-4K: 5.31 - 8.26:1			
Projection Distance		2.1 to 179.8 ft. / 0.64 to 54.8m		1.6 to 182.9 ft. / 0.6 to 55.8m	3.3 to 247.4 ft. / 1.0 to 75.4m	
Projection Angle		2.1 to 19.1° tele / 3.3 to 24.0° wide		1.2 to 17.6° tele / 1.8 to 22.0° wide	10.3 to 10.8° tele / 13.7 to 14.5° wide	
Lens	Zoom	Motorized		Motorized	Motorized	
	Zoom Ratio	Variable		Variable	Variable	
	Focus	Motorized		Motorized	Motorized	
	F-number, f-number		NP39ML: F=2.0, f=5.64mm		NP39ML-4K: F=2.0, f=5.64mm	NP45ZL: F=2.2 to 2.53, f= 19.34 to 25.76mm
			NP31ZL: F=1.96 to 2.3, f=11.3 to 14.1mm		NP31ZL-4K: F=1.96 to 2.3, f=11.3 to 14.1mm	NP46ZL: F=2.18 to 2.66, f= 25.69 to 33.22mm
			NP16FL: F=1.85, f=11.6mm		NP16FL-4K: F=1.85, f=11.6mm	NP47ZL: F=2.17 to 2.65, f= 31.90 to 42.20mm
			NP17ZL: F=1.85 to 2.5, f=18.7 to 26.5mm		NP17ZL-4K: F=1.85 to 2.5, f=18.7 to 26.5mm	NP48ZL: F=2.17 to 2.65, f= 42.60 to 84.80mm
			NP18ZL: F=1.64 to 1.86, f=25.7 to 33.7mm		NP18ZL-4K: F=1.64 to 1.86, f=25.7 to 33.7mm	NP49ZL: F=2.2 to 2.57, f= 83.93 to 146.85mm
		NP19ZL: F=1.86 to 2.48, f=32.9 to 54.2mm		NP19ZL-4K: F=1.86 to 2.48, f=32.9 to 54.2mm		
	NP20ZL: F=1.85 to 2.4, f=52.8 to 79.1mm		NP20ZL-4K: F=1.85 to 2.4, f=52.8 to 79.1mm			
	NP21ZL: F=1.85 to 2.48, f =78.5 to 121.9mm		NP21ZL-4K: F=1.85 to 2.48, f =78.5 to 121.9mm			
	Shift	Motorized +0.59 vertical, +/-28 horizontal			+50/-10% Vertical, +/-30% Horizontal	
Keystone Correction		+/- 40° horizontal, +/- 40° vertical			+/- 60° horizontal, +/- 40° vertical	
Synchronization Range	Horizontal	Analog: 15-100kHz, Digital: 15-153kHz				
	Vertical	Analog: 48-120Hz, Digital: 24-120Hz				
Supported Video Standards		NTSC, NTSC4.43, PAL, PAL-60, PAL-M, PAL-N, SECAM				
SD/HD Video Signal Compatibility						
PC Signal Compatibility						
Macintosh Compatibility		Yes				
Input/Output Terminals	RGB1 (analog)				VGA 15 pin D-sub, Component video using ADP-CV1E adapter	
	RGB2 (analog)	5-BNC			5-BNC	
	RGB1 (Digital)			HDMI (V2.0) w/HDCP (V1.4/2.2) - 4096 x 2160 @ 60p, 12 bit 4:4:4	HDMI (V2.0) w/HDCP (V1.4/2.2)	
	RGB2 (digital)	HDMI (V1.4) w/HDCP		HDMI (V2.0) w/HDCP (V1.4/2.2) - 4096 x 2160 @ 60p, 12 bit 4:4:4	HDMI (V2.0) w/HDCP (V1.4/2.2)	
	RGB3 (digital)	DisplayPort w/HDCP		DisplayPort w/HDCP (V1.4) - 4096 x 2160 @ 60p, 12 bit 4:4:4	DisplayPort w/HDCP (V1.4)	
	RGB4 (digital)	HDBaseT		DisplayPort w/HDCP (V1.4) - 4096 x 2160 @ 60p, 12 bit 4:4:4	DVI-D w/HDCP (V1.4/2.2)	
	RGB5 (digital)			HDBaseT w/HDCP (V1.4/2.2) - 4096 x 2160 @ 60p, 8 bit 4:2:0	HDBaseT w/HDCP (V1.4/2.2)	
	RGB6 (digital)			Quad 3G-SDI	3G-SDI	
	Option Slot	OPS				
	Video					
	Audio 1					
	Audio 2					
	Audio Out					
Monitor Out	HDMI (V1.4) w/HDCP			VGA 15 pin D-sub		
USB Type A						
USB Type A (behind cover)						
USB Type B (behind cover)						
Wired LAN port						
3D Sync Line		3Pin D			BNC	
Audio						
External Control		RS-232, IR, HDBaseT, Stereo Mini , RJ-45		RS-232, IR, HDBaseT, Stereo Mini	RS-232, IR, DDC/CI	
Sync Compatibility		Separate Sync / Composite Sync / Sync on G				
Power Requirements		100 – 240V AC, 50/60Hz				
Input Current		9.4A - 3.8A	11.8A - 5.2A	12.5A - 5.5A	8.7A	
Power Consumption		874W/456W/4.3W/0.18W	1220W/625W/4.3W/0.2W	1181W/658W/0.88W/0.5W	1922W / 1779W / 1461W / 4.8W / 0.4W	
Installation Orientation		Floor/Front, Floor/Rear, Ceiling/Front, Ceiling/Rear				
Dimensions (WxDxH)		19.7 x 22.8 x 8.5 in. / 500 x 583 x 216mm			20.9 x 10.8 x 29.4 in. / 530 x 275 x 748 mm	
Net Weight		61.7 lbs. / 28.0 kg	63.9 lbs. / 29.0 kg	68.8 lbs. / 31.2 kg	112.4 lbs. / 67 kg	
Fan Noise		40 dB normal / 35 dB eco	42 dB normal / 37 dB eco	42 dB normal / 39 dB eco	45 dB normal	
Regulations		USA: UL(UL60950-1, Laser + Lamp (IEC60825-1 + IEC62471), FCC Part15 Class A Canada: CUL(UL60950-1, Laser + Lamp (IEC60825-1 + IEC62471), ICES-003 Class A				
Operating Temperature		41° – 104°F / 5° – 40°C				
Humidity		20-80% non-condensing				
Storage		14° – 122°F / -10° – 50°C				

		PH2601QL	PH3501QL	
Display Technology		0.65" DMD		
Light Output (lumens)		26,000 normal / Eco = variable	35,000 normal / Eco = variable	
Resolution	Native	DC4K 4096 x 2160		
	Maximum	4K 4096 x 2160		
Contrast Ratio (up to)		2,000:1 with dynamic contrast		
Lamp Life (up to)		20,000 hours		
Screen Size (diagonal)		50 to 500 in. / 1.27 to 12.7m		
Throw Ratio	L2K-10F1: 0.93:1			
	L4K-112M: 1.24 - 1.73:1			
	L4K-152M: 1.52 - 2.10:1			
	L4K-202M: 1.98 - 3.34:1			
	L2K-302M: 2.71 - 3.92:1			
	L2K-432M1: 3.91 - 5.52:1			
Projection Distance		2.5 to 68.5 ft. / 0.74 to 20.9m		
Projection Angle		10.3 to 10.8° tele / 13.7 to 14.5° wide		
Lens	Zoom	Motorized		
	Zoom Ratio	Variable		
	Focus	Motorized		
	F-number, f-number	L2K-10F1: F=2.5, f= 28.95mm		
		L4K-112M: F=2.5, f= 38.5 to 53.7mm		
		L4K-152M: F=2.5, f= 47.5 to 65.6mm		
		L4K-202M: F=2.5, f= 61.4 to 105.2mm		
		L2K-302M: F=2.5, f= 85.0 to 121.6mm		
		L2K-432M1: F=2.5, f= 122.8 to 172.3mm		
	Shift	L2K-552M1: F=2.5, f= 156.5 to 243.1mm		
L2K-10F1:				
L4K-112M:		Motorized +/-0.27 Vertical, +/-0.08 Horizontal		
L4K-152M:				
L4K-202M:				
	L2K-302M:	Motorized +/-0.17 Vertical, +/-0.50 Horizontal		
L2K-432M1:				
	L2K-552M1:	Motorized +/-0.31 Vertical, +/-0.10 Horizontal		
Keystone Correction		+/- 40° horizontal, +/- 40° vertical		
Synchronization Range	Horizontal	Analog: 15-100kHz, Digital: 15-153kHz		
	Vertical	Analog: 48-120Hz, Digital: 24-120Hz		
Supported Video Standards		NTSC, NTSC4.43, PAL, PAL-60, PAL-M, PAL-N, SECAM		
SD/HD Video Signal Compatibility				
PC Signal Compatibility				
Macintosh Compatibility		Yes		
Input/Output Terminals	RGB1 (analog)	VGA 15 pin D-sub, Component video using ADP-CV1E adapter		
	RGB2 (analog)	5-BNC		
	RGB1 (Digital)	HDMI (V2.0) w/HDCP (V1.4/2.2) - 4096 x 2160 @ 60p, 12 bit 4:4:4		
	RGB2 (digital)	HDMI (V2.0) w/HDCP (V1.4/2.2) - 4096 x 2160 @ 60p, 12 bit 4:4:4		
	RGB3 (digital)	DisplayPort w/HDCP (V1.4) - 4096 x 2160 @ 60p, 12 bit 4:4:4		
	RGB4 (digital)	DisplayPort w/HDCP (V1.4) - 4096 x 2160 @ 60p, 12 bit 4:4:4		
	RGB5 (digital)	HDBaseT w/HDCP (V1.4/2.2) - 4096 x 2160 @ 60p, 8 bit 4:2:0		
	RGB6 (digital)	Quad 3G-SDI		
	Option Slot			
	Video			
	Audio 1			
	Audio 2			
	Audio Out			
	Monitor Out	HDMI (V1.4) w/HDCP		
	USB Type A			
USB Type A (behind cover)				
USB Type B (behind cover)				
Wired LAN port				
3D Sync Line		15 pin		
Audio				
External Control		RS-232, IR, HDBaseT, Stereo Mini, RJ-45		
Sync Compatibility		Separate Sync / Composite Sync / Sync on G		
Power Requirements		220 - 240V AC, 50/60Hz Single Phase		
Input Current		30A		
Power Consumption		3665W / 205W	4705W / 205W	
Installation Orientation		Floor/Front, Floor/Rear, Ceiling/Front, Ceiling/Rear		
Dimensions (WxDxH)		27.4 x 46.5 x 17.9 in. / 697 x 1180 x 455mm		
Net Weight		372.6 lbs. / 169 kg		
Fan Noise		55 dB normal		
Regulations		UL60950-1 (2nd) / FCC Part15 Class A (Marking: UL) CSA60950-1 / ICES-003 Class A (Marking: CAN ICES-38(A)/NMB-38(A)) EN60950-1/EN55022 Class A, EN55032 Class A, EN55024, EN61000-3-2/-3-3/-3-11/-3-12 (Marking CE) IEC60825-1 Edition3 2014 : Class1, IEC62471 2006 : RG3, FDA(21 CFR 1040.10 and 1040.11) IEC60825-1 Edition3 2014 : Class1, IEC62471 2006 : RG3		
Operating Temperature		41° - 104°F / 5° - 40°C		
Humidity		20-80% non-condensing		
Storage		14° - 122°F / -10° - 50°C		

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