



PA1004UL Laser Projector

Datasheet





A new class of silent projection

Now even larger spaces can benefit from NEC's innovation in super-silent technology with the 10,000 lumens PA1004UL laser projector, ensuring all attention is focused on the stunning image delivery.

Featuring unprecedented White Point performance, factory pre-calibrated for the perfect white, 12-bit colour signal processing and wide colour space, the audience will experience extraordinarily vivid colour saturation and contrast levels.

With the newly designed sealed optical engine there is no possibility of dust contaminating the LCD panels for long-term picture stability and brilliant colour brightness. What's more, with our unique filterless LCD projector design and no lamp replacement, service costs are dramatically reduced for a low cost of ownership and up to 20,000 hours life-time.

Fully compatible with previous generation lamp-based PA Series mechanical lenses, NEC customers can easily make the transition to benefit from the latest laser technology. The PA1004UL is a professional installation projector featuring advanced installation capabilities as demanded by higher education, leisure and museum applications.

Benefits

No lamp replacement - up to 20,000 h maintenance free operation possible due to Laser Light Source.

No filter service required – a completely sealed optical laser LCD engine allows a filter-free design. Brilliant colour brightness is maintained and servicing costs need no longer feature in your budget.

Super Silent operation – patented sealed light engine incorporating innovative fan design not only protects against dust ingress but dramatically reduces noise.

Impress with vivid colour & contrast – brilliant white and wide colour space with high dynamic contrast supporting HDR10 standard via HDMI interface.

Incredible visualisation capabilities – impressive free tilt and portrait installation capability, unique geometric adjustment, picture in picture, tiling, 3D support and camera based blending/stacking up to 4K.



JUST PROJECTORS

Product Information

Product Name	PA1004UL
Product Group	Laser Projector
Order Code	60004512 (WH), 60005160 (BK)

Image

Native Resolution 1920 x 1200 (WUXGA) Asspect Ratio 1 Brightness 1 9000 ANSI Lumen (approx. 80% in Eco Mode), with std. optional lense Brightness 1 9000 ANSI Lumen (approx. 80% in Eco Mode), with std. optional lense Brightness (Boost Mode) 10000 ANSI Lumen Lamp Laser Light Source Light Source Life (hrs) 20000 ² Lens 4 motorized and manual (depending on lens) Lens Adjustment Motorized and manual (depending on lens) Lens Adjustment H::::::::::::::::::::::::::::::::::::	Projection Technology	3LCD Technology			
Contrast Ratio 1 300000:1 Brightness 1 9000 ANSI Lumen (approx. 80% in Eco Mode), with std. optional lense Brightness 1 10000 ANSI Lumen Lamp Laser Light Source Light Source Life [hrs] 20000 ² Lens 4 motorized lens options; 5 manual lens options Lens 4 dyustment Motorized and manual (depending on lens) Lens shift H:±20, V:+10,-50 Keystone correction +/- 40° manual horizontal / +/- 40° manual vertical Projection Distance [m] 0.7 - 50.9 Screen Size (diagonal) [cm] / Maximum: 1,270 / 500"; Minimum: 101.6 / 40" (inch) 0.7 - 50.9 Zoom Motorized and manual (depending on lens) Focus Adjustment Motorized and manual (depending on lens) Supported Resolutions 4096 x 2160 (4k); 1920x1200 (WUXGA) 720p/50; 480/50 (WOXGA); 2068 x 1600 (WOXGA); 720p/50; 480/50 (WOXGA); 2068 x 1600 (WOXGA); 1080/52/42/53/05/0 576p/50; 2048 x 1080 (2k); 1080/24/25/30/50 576p/50; 2048 x 1080 (2k); 1080/24/25/30/50/ 576p/50;	Native Resolution	1920 x 1200			
Brightness 1 9000 ANSI Lumen (approx. 80% in Eco Mode), with std. optional lense Brightness (Boost Mode) 10000 ANSI Lumen Lamp Laser Light Source Light Source Life [hrs] 20000 ² Lens 4 motorized lens options; 5 manual lens options Lens Adjustment Motorized and manual (depending on lens) Lens shift H:±20, Vi+10,-50 Keystone correction +/- 40° manual horizontal / +/- 40° manual vertical Projection Factor depending on lens selection (std. option NP41ZL at 1.3-3.02:1) Projection Distance [m] 0.7 - 50.9 Screen Size (diagonal) [cm] / Maximum: 1,270 / 500°; Minimum: 101.6 / 40° [inch] 0.7 - 50.9 Scowad Motorized and manual (depending on lens) Focus Adjustment Motorized and manual (depending on lens) Focus Adjustment Motorized and manual (depending on lens) Stopofoci; 480p/60; 2560 x 1600 (WOXGA); 720p/60; 480p/60; 2560 x 1600 (WOXGA); 720p/60; 576j/50; 576j	Aspect Ratio	16:10			
Brightness (Boost Mode) 10000 ANSI Lumen Lamp Laser Light Source Light Source Life [hrs] 20000 ² Lens 4 motorized lens options; 5 manual lens options Lens shift H:±20, V:+10,-50 Keystone correction +/- 40° manual horizontal / +/- 40° manual vertical Projection Factor depending on lens selection (std. option NP41ZL at 1.3-3.02:1) Projection Distance [m] 0.7 - 50.9 Screen Size (diagonal) [cm] / Maximum: 1,270 / 500°; Minimum: 101.6 / 40° [inch] Ontrized and manual (depending on lens) Focus Adjustment Motorized and manual (depending on lens) Focus Adjustment Motorized and manual (depending on lens) Supported Resolutions 2560 x 1600 - 640x480 (VGA); 720p/60; 480p/60; 2560 x 1600 - 640x480 (VGA); 720p/50; 480l/50 (VGQXGA); 2048 x 1080 (2k); 1080p/24/25/30/50 / 576j/50; 576j/	Contrast Ratio ¹	3000000:1			
LampLaser Light SourceLight Source Life [hrs]20000 ?Lens4 motorized lens options; 5 manual lens optionsLens4 motorized and manual (depending on lens)Lens shiftH:±20, V:+10,-50Keystone correction+/- 40° manual horizontal / +/- 40° manual verticalProjection Factordepending on lens selection (std. option NP41ZL at 1.3-3.02:1)Projection Distance [m]0.7 - 50.9Screen Size (diagonal) [cm] /Maximum: 1,270 / 500"; Minimum: 101.6 / 40"ZoomMotorized and manual (depending on lens)Focus AdjustmentMotorized and manual (depending on lens)Supported Resolutions4095 x 2160 (4k):2560 x 1660-640x480 (VSA);2008/20/20 (WUXGA)720p/60;480/502560 x 10600(WQXGA):1080/50/60;576i/50;576i/50;576i/50;2048 x 1080 (2k);1080/24/25/30/50/576i/50;576p/50;60;ConnectivityRGB (analog)Input: 1 x Mini D-sub 15-pin, compatible to component (YPbPr)DigitalInput: 1 x DisplayPort; 1 x HDBaseT; 2 x HDMI''' supporting HDCP 2.2Output: 1 x JDsplayPort; 1 x HDBaseT supporting HDCP 2.2Output: 1 x JDsplayPort Audio support; 2 x 3.5 mm Stereo Mini Jack (wired Remote); 1 x D-Sub 9 pin (R5-232), EthernetLAN1 x RJ45	Brightness ¹	9000 ANSI Lumen (a	pprox. 80% in Eco Mode),	with std. optiona	al lense
Light Source Life [hrs] 2000 ² Lens 4 motorized lens options; 5 manual lens options Lens Adjustment Motorized and manual (depending on lens) Lens shift H:±20, V:+10,-50 Keystone correction +/- 40° manual horizontal / +/- 40° manual vertical Projection Factor depending on lens selection (std. option NP41ZL at 1.3-3.02:1) Projection Distance [m] 0.7 - 50.9 Screen Size (diagonal) [cm] / (inch] Zoom Motorized and manual (depending on lens) Focus Adjustment Motorized and manual (depending on lens) Supported Resolutions 4096 x 2160 (4k); 1920x1200 (WUXGA) 720p/50; 480p/60; 2560 x 1600 -640x480 (VGA); 720p/50; 480i/50 (WQXGA); 1080i/50/60; 576i/50; 2048 x 1080 (2k); 1080p/24/25/30/50/ 576e/50; Frequency Horizontal: analog: 15/24-100 kHz, digital: 15/24-153 kHz; Vertical: analog: 48-120 Hz, digital: 48-120 Hz Connectivity RGB (analog) Input: 1 x Mini D-sub 15-pin, compatible to component (YPbPr) Digital Input: 1 x DisplayPort; 1 x HDBaseT; 2 x HDMI ^m supporting HDCP 2.2 Output: 1 x DisplayPort; 1 x HDBaseT; 2 x HDMI ^m supporting HDCP 2.2 Output: 1 x DisplayPort Audio support; 2 x 3.5 mm Stereo Mini Jack (Wired Remote); 1 x D-Sub 9 pin (R5-232), Ethernet LAN 1 x RJ45	Brightness (Boost Mode)	10000 ANSI Lumen			
Lens 4 motorized lens options; 5 manual lens options Lens Adjustment Motorized and manual (depending on lens) Lens shift H:±20, V:+10,-50 Keystone correction +/- 40° manual horizontal / +/- 40° manual vertical Projection Factor depending on lens selection (std. option NP41ZL at 1.3-3.02:1) Projection Distance [m] 0.7 - 50.9 Screen Size (diagonal) [cm] / Maximum: 1,270 / 500"; Minimum: 101.6 / 40" [inch] Motorized and manual (depending on lens) Focus Adjustment Motorized and manual (depending on lens) Supported Resolutions 4096 x 2160 (4k); 1920x1200 (WUXGA) 720p/60; 480p/60; 2560 x 1600 - 640x480 (VGA); 720p/50; 480i/50 (WQXGA); 1080/50/60; 576i/50; 2048 x 1080 (2k); 1080p/24/25/30/50/ 576p/50; Frequency Horizontal: analog: 15/24-100 kHz, digital: 15/24-153 kHz; Vertical: analog: 48-120 Hz, digital: 48-120 Hz Connectivity RGB (analog) Input: 1 x Mini D-sub 15-pin, compatible to component (YPbPr) Digital Input: 1 x DisplayPort; 1 x HDBaseT; 2 x HDMI™ supporting HDCP 2.2 Output: 1 x DisplayPort Audio support; 1 x HDBaseT audio support; 2 x 3.5 mm Stereo Mini Jack (Wired Remote); 1 x D-Sub 9 pin (RS-232), Ethernet Audio Input: 1 x 3.5 mm Stereo Mini Jack (Wired Remote); 1 x D-Sub 9 pin (RS-232), Ethernet	Lamp	Laser Light Source			
Lense AdjustmentMotorized and manual (depending on lens)Lens shiftH:±20, V:+10,-50Keystone correction+/- 40° manual horizontal / +/- 40° manual verticalProjection Factordepending on lens selection (std. option NP41ZL at 1.3-3.02:1)Projection Distance [m]0.7 - 50.9Screen Size (diagonal) [cm] /Maximum: 1,270 / 500"; Minimum: 101.6 / 40"ZoomMotorized and manual (depending on lens)Focus AdjustmentMotorized and manual (depending on lens)Supported Resolutions4096 x 2160 (4k); 2560 x 1600 (WQXGA); 2048 x 1080 (2k); 1080/50/60; 1080/50/60; 576i/50; 2048 x 1080 (2k); 1080/24/25/30/50/ 576p/50;480p/60; 480i/50 576i/50; 576i/50; 576i/50;FrequencyHorizontal: analog: 15/24-100 kHz, digital: 15/24-153 kHz; Vertical: analog: 48-120 Hz, digital: 48-120 HzConnectivityInput: 1 x Mini D-sub 15-pin, compatible to component (YPbPr)DigitalInput: 1 x DisplayPort; 1 x HDBaseT; 2 x HDMI''' supporting HDCP 2.2 Output: 1 x HDBaseT supporting HDCP 2.2AudioInput: 1 x DisplayPort Audio support; 1 x HDBaseT audio support; 2 x 3.5 mm Stereo Mini Jack for Computer analog; 2 x HDMI audio support Output: 1 x 3.5 mm Stereo Mini Jack (Wired Remote); 1 x D-Sub 9 pin (R5-232), EthernetLAN1 x RJ45	Light Source Life [hrs]	20000 ²			
Lens shift H:±20, V:+10,-50 Keystone correction +/- 40° manual horizontal / +/- 40° manual vertical Projection Factor depending on lens selection (std. option NP41ZL at 1.3-3.02:1) Projection Distance [m] 0.7 - 50.9 Screen Size (diagonal) [cm] / Maximum: 1.270 / 500°; Minimum: 101.6 / 40° [inch] Motorized and manual (depending on lens) Focus Adjustment Motorized and manual (depending on lens) Supported Resolutions 2560 x 1600 - 640x480 (VGA); 720p/60; 480p/60; 2560 x 1600 - 640x480 (VGA); 720p/50; 480i/50 (WQXGA); 1080b/24/25/30/50 (576i/50; 2048 x 1080 (2k); 1080b/24/25/30/50 (576i/50; 576i/50; 576i/50; Frequency Horizontal: analog: 15/24-100 kHz, digital: 15/24-153 kHz; Vertical: analog: 48-120 Hz, digital: 48-120 Hz Connectivity Input: 1 x Mini D-sub 15-pin, compatible to component (YPbPr) Digital Input: 1 x DisplayPort; 1 x HDBaseT; 2 x HDMI™ supporting HDCP 2.2 Output: 1 x HDBaseT; 2 x HDMI™ supporting HDCP 2.2 Output: 1 x HDBaseT; 2 x HDMI sudio support; 2 x 3.5 mm Stereo Mini Jack for Computer analog; 2 x HDMI audio support; 1 x HDBaseT audio support; 2 x 3.5 mm Stereo Mini Jack (Wired Remote); 1 x D-Sub 9 pin (RS-232), Ethernet LAN 1 x RJ45	Lens	4 motorized lens opt	ions; 5 manual lens option	าร	
Keystone correction+/- 40° manual horizontal / +/- 40° manual verticalProjection Factordepending on lens selection (std. option NP41ZL at 1.3-3.02:1)Projection Distance [m]0.7 - 50.9Screen Size (diagonal) [cm] /Maximum: 1,270 / 500"; Minimum: 101.6 / 40"[inch]Motorized and manual (depending on lens)Focus AdjustmentMotorized and manual (depending on lens)Supported Resolutions4096 x 2160 (4k); 1920x1200 (WUXGA) 720p/60; 480p/60; 2560 x 1600 (WQXGA); 720p/50; 2048 x 1080 (2k); 1080b/24/25/30/50/ 576p/50;Supported ResolutionsHorizontal: analog: 15/24-100 kHz, digital: 15/24-153 kHz; Vertical: analog: 48-120 Hz, digital: 48-120 HzConnectivityRGB (analog)Input: 1 x Mini D-sub 15-pin, compatible to component (YPbPr)DigitalInput: 1 x DisplayPort; 1 x HDBaseT; 2 x HDMI''' supporting HDCP 2.2 Output: 1 x JDisplayPort; 1 x HDBaseT; 2 x HDMI''' supporting HDCP 2.2AudioInput: 1 x DisplayPort Audio support; 1 x HDBaseT audio support; 2 x 3.5 mm Stereo Mini Jack for Computer analog; 2 x HDMI audio support Output: 1 x 3.5 mm Stereo Mini Jack (variable)ControlInput: 1 x 3.5 mm Stereo Mini Jack (Wired Remote); 1 x D-Sub 9 pin (RS-232), EthernetLAN1 x RJ45	Lense Adjustment	Motorized and manu	al (depending on lens)		
Projection Factor depending on lens selection (std. option NP41ZL at 1.3-3.02:1) Projection Distance [m] 0.7 - 50.9 Screen Size (diagonal) [cm] / Maximum: 1,270 / 500"; Minimum: 101.6 / 40" [inch] Zoom Motorized and manual (depending on lens) Focus Adjustment Motorized and manual (depending on lens) Supported Resolutions 4096 × 2160 (4k); 1920x1200 (WUXGA) 720p/60; 480p/60; 2560 × 1600 - 640×480 (VGA); 720p/50; 480i/50 2560 × 1600 - 640×480 (VGA); 720p/50; 480i/50 2048 × 1080 (2k); 1080p/24/25/30/50/ 576j/50; 2048 × 1080 (2k); 1080p/24/25/30/50/ 576p/50; Frequency Horizontal: analog: 15/24-100 kHz, digital: 15/24-153 kHz; Vertical: analog: 48-120 Hz, digital: 48-120 Hz Connectivity RGB (analog) Input: 1 × Mini D-sub 15-pin, compatible to component (YPbPr) Digital Input: 1 × DisplayPort; 1 × HDBaseT; 2 × HDMI™ supporting HDCP 2.2 Output: 1 × HDBaseT supporting HDCP 2.2 Audio Input: 1 × DisplayPort Audio support; 1 × HDBaseT audio support; 2 × 3.5 mm Stereo Mini Jack for Computer analog; 2 × HDMI audio support Output: 1 × 3.5 mm Stereo Mini Jack (Wired Remote); 1 × D-Sub 9 pin (RS-232), Ethernet LAN 1 × RJ45	Lens shift	H:±20, V:+10,-50			
Projection Distance [m] 0.7 - 50.9 Screen Size (diagonal) [cm] / Maximum: 1,270 / 500"; Minimum: 101.6 / 40" [inch] Motorized and manual (depending on lens) Zoom Motorized and manual (depending on lens) Focus Adjustment Motorized and manual (depending on lens) Supported Resolutions 4096 x 2160 (4k); 2560 x 1600 (WQXGA); 2048 x 1080 (2k); 1080p/24/25/30/50/ 60; 720p/60; 576i/50; 576p/50; 480i/50 Frequency Horizontal: analog: 15/24-100 kHz, digital: 15/24-153 kHz; Vertical: analog: 48-120 Hz, digital: 48-120 Hz 576i/50; 60; Connectivity Input: 1 x Mini D-sub 15-pin, compatible to component (YPbPr) Input: 1 x DisplayPort; 1 x HDBaseT; 2 x HDMI ^m supporting HDCP 2.2 Output: 1 x HDBaseT supporting HDCP 2.2 Audio Input: 1 x DisplayPort Audio support; 1 x HDBaseT audio support; 2 x 3.5 mm Stereo Mini Jack for Computer analog; 2 x HDMI audio support Output: 1 x 3.5 mm Stereo Mini Jack (Wired Remote); 1 x D-Sub 9 pin (RS-232), Ethernet LAN 1 x RJ45	Keystone correction	+/- 40° manual horiz	ontal / +/- 40° manual ve	rtical	
Screen Size (diagonal) [cm] / Maximum: 1,270 / 500"; Minimum: 101.6 / 40" [inch] Motorized and manual (depending on lens) Zoom Motorized and manual (depending on lens) Focus Adjustment Motorized and manual (depending on lens) Supported Resolutions 4096 x 2160 (4k); 1920x1200 (WUXGA) 720p/60; 480p/60; 2560 x 1600 - 640x480 (VGA); 720p/50; 480i/50 Supported Resolutions 4096 x 2160 (2k); 1080p/24/25/30/50/ 576j/50; 60; 1080p/24/25/30/50/ 576p/50; 60; Frequency Horizontal: analog: 15/24-100 kHz, digital: 15/24-153 kHz; Vertical: analog: 48-120 Hz, digital: 48-120 Hz Connectivity Input: 1 x Mini D-sub 15-pin, compatible to component (YPbPr) Digital Input: 1 x DisplayPort; 1 x HDBaseT; 2 x HDMI™ supporting HDCP 2.2 Output: 1 x HDBaseT supporting HDCP 2.2 Audio Input: 1 x DisplayPort Audio support; 1 x HDBaseT audio support; 2 x 3.5 mm Stereo Mini Jack (variable) Control Input: 1 x 3.5 mm Stereo Mini Jack (Wired Remote); 1 x D-Sub 9 pin (RS-232), Ethernet LAN 1 x RJ45	Projection Factor	depending on lens se	election (std. option NP41	ZL at 1.3-3.02:1)	
Linch]ZoomMotorized and manual (depending on lens)Focus AdjustmentMotorized and manual (depending on lens)Supported Resolutions4096 x 2160 (4k); 1920x1200 (WUXGA) 720p/60; 480p/60; 2560 x 1600 - 640x480 (VGA); 720p/50; 480i/50 (WQXGA); 1080i/50/60; 576i/50; 2048 x 1080 (2k); 1080p/24/25/30/50/ 576p/50; 60;FrequencyHorizontal: analog: 15/24-100 kHz, digital: 15/24-153 kHz; Vertical: analog: 48-120 Hz, digital: 48-120 HzConnectivityRGB (analog)Input: 1 x Mini D-sub 15-pin, compatible to component (YPbPr)DigitalInput: 1 x DisplayPort; 1 x HDBaseT; 2 x HDMI [™] supporting HDCP 2.2 Output: 1 x HDBaseT supporting HDCP 2.2AudioInput: 1 x DisplayPort Audio support; 1 x HDBaseT audio support; 2 x 3.5 mm Stereo Mini Jack for Computer analog; 2 x HDMI audio support Output: 1 x 3.5 mm Stereo Mini Jack (Wired Remote); 1 x D-Sub 9 pin (RS-232), EthernetLAN1 x RJ45	Projection Distance [m]	0.7 - 50.9			
Focus Adjustment Motorized and manual (depending on lens) Supported Resolutions 4096 x 2160 (4k); 1920x1200 (WUXGA) 720p/60; 480p/60; 2560 x 1600 - 640x480 (VGA); 720p/50; 480i/50 (W0XGA); 1080i/50/60; 576i/50; 2048 x 1080 (2k); 1080p/24/25/30/50/ 576p/50; Frequency Horizontal: analog: 15/24-100 kHz, digital: 15/24-153 kHz; Vertical: analog: 48-120 Hz, digital: 48-120 Hz Connectivity RGB (analog) Input: 1 x Mini D-sub 15-pin, compatible to component (YPbPr) Digital Input: 1 x DisplayPort; 1 x HDBaseT; 2 x HDMI™ supporting HDCP 2.2 Output: 1 x HDBaseT supporting HDCP 2.2 Audio Input: 1 x DisplayPort Audio support; 1 x HDBaseT audio support; 2 x 3.5 mm Stereo Mini Jack for Computer analog; 2 x HDMI audio support Control Input: 1 x 3.5 mm Stereo Mini Jack (Wired Remote); 1 x D-Sub 9 pin (RS-232), Ethernet LAN 1 x RJ45	Screen Size (diagonal) [cm] / [inch]	Maximum: 1,270 / 50	00"; Minimum: 101.6 / 40"		
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2560 x 1600 (WQXGA); 2048 x 1080 (2k); digital: analog: 15/24-100 kHz, digital: 15/24-153 kHz; Vertical: analog: 48-120 Hz, digital: 48-120 HzFrequencyHorizontal: analog: 15/24-100 kHz, digital: 15/24-153 kHz; Vertical: analog: 48-120 Hz, digital: 48-120 HzConnectivityInput: 1 x Mini D-sub 15-pin, compatible to component (YPbPr)DigitalInput: 1 x DisplayPort; 1 x HDBaseT; 2 x HDMI TM supporting HDCP 2.2 Output: 1 x DisplayPort Audio support; 1 x HDBaseT audio support; 2 x 3.5 mm Stereo Mini Jack for Computer analog; 2 x HDMI audio support Output: 1 x 3.5 mm Stereo Mini Jack (Wired Remote); 1 x D-Sub 9 pin (RS-232), EthernetLAN1 x RJ45	Focus Adjustment	Motorized and manu	al (depending on lens)		
digital: 48-120 Hz Connectivity RGB (analog) Input: 1 x Mini D-sub 15-pin, compatible to component (YPbPr) Digital Input: 1 x DisplayPort; 1 x HDBaseT; 2 x HDMI ™ supporting HDCP 2.2 Output: 1 x HDBaseT supporting HDCP 2.2 Audio Input: 1 x DisplayPort Audio support; 1 x HDBaseT audio support; 2 x 3.5 mm Stereo Mini Jack for Computer analog; 2 x HDMI audio support Output: 1 x 3.5 mm Stereo Mini Jack (variable) Control Input: 1 x 3.5 mm Stereo Mini Jack (Wired Remote); 1 x D-Sub 9 pin (RS-232), Ethernet LAN 1 x RJ45	Supported Resolutions	2560 x 1600 (WQXGA);	- 640x480 (VGA); 1080i/50/60; 1080p/24/25/30/50/	720p/50; 576i/50;	•
RGB (analog)Input: 1 x Mini D-sub 15-pin, compatible to component (YPbPr)DigitalInput: 1 x DisplayPort; 1 x HDBaseT; 2 x HDMI™ supporting HDCP 2.2 Output: 1 x HDBaseT supporting HDCP 2.2AudioInput: 1 x DisplayPort Audio support; 1 x HDBaseT audio support; 2 x 3.5 mm Stereo Mini Jack for Computer analog; 2 x HDMI audio support Output: 1 x 3.5 mm Stereo Mini Jack (variable)ControlInput: 1 x 3.5 mm Stereo Mini Jack (Wired Remote); 1 x D-Sub 9 pin (RS-232), EthernetLAN1 x RJ45	Frequency		5/24-100 kHz, digital: 15/	24-153 kHz; Vert	ical: analog: 48-120 Hz,
DigitalInput: 1 x DisplayPort; 1 x HDBaseT; 2 x HDMI™ supporting HDCP 2.2 Output: 1 x HDBaseT supporting HDCP 2.2AudioInput: 1 x DisplayPort Audio support; 1 x HDBaseT audio support; 2 x 3.5 mm Stereo Mini Jack for Computer analog; 2 x HDMI audio support Output: 1 x 3.5 mm Stereo Mini Jack (variable)ControlInput: 1 x 3.5 mm Stereo Mini Jack (Wired Remote); 1 x D-Sub 9 pin (RS-232), EthernetLAN1 x RJ45	Connectivity				
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for Computer analog; 2 x HDMI audio support Output: 1 x 3.5 mm Stereo Mini Jack (variable) Control Input: 1 x 3.5 mm Stereo Mini Jack (Wired Remote); 1 x D-Sub 9 pin (RS-232), Ethernet LAN 1 x RJ45	Digital				
LAN 1 x RJ45	Audio	for Computer analog; 2 x HDMI audio support			
· · · · · · · · · · · · · · · · · · ·	Control				
USB 1 x Type A (USB 2.0 high speed)	LAN	1 x RJ45			
	USB	1 x Type A (USB 2.0	high speed)		

Remote Control

3D Sync

ling; Freeze-function; Geometric Correction; HDMI; Help-function; Keystone Correction;
ing, reeze-function, deometric correction, nDM, neip-function, Reystone correction,
ify-function; Multiscreen; Page (up, down); PBP/POP Function; Picture Adjust; Picture
; PIP Function; Power (On-OFF); Select (up, down, left, right); Source Select; Test Picture
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Output: 1 x Mini DIN 3pin

Electrical



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Power Supply	100-240 V AC; 50 - 60 Hz	
Power Consumption [W]	725 (Normal) / 395 (Eco) / 0.8 (Network Stand-by) / 0.28 (Stand-by)	

Mechanical

Dimensions (W x H x D) [mm]	599 x 208 x 490 (without lens and feet)
Weight [kg]	24.4
Fan Noise [dB (A)]	32 / 35 (Eco / Normal)
Colour Versions	Black; White

Environmental Conditions

Operating Temperature [°C]	5 to 40
Operating Humidity [%]	20 to 80 non-condensing
Storage Temperature [°C]	-10 to 50
Storage Humidity [%]	20 to 80 non-condensing

Ergonomics

Safety and Ergonomics	CE; EAC; ErP; RoHS; TUEV Type Approved	
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Additional Features

Special Characteristics	3D ready; 4K/60Hz interfaces; Active 3D; AMX Beacon; Built-in Display/Multiscreen Splitter;
	Cinema Quality Picture (CQP) Processing for best image quality; Crestron RoomView; DICOM
	Simulation; Digital 3D Reform [™] ; Direct Power-Off Function; Edge Blending Function; Free Tilt;
	Geometric Correction; HDBaseT; HDBaseT-out signal connection; HDR10 Support; High
	Altitude Mode; Hollywood Quality Video Processing for best image quality; HTTP Browser
	Control; Keystone Correction (H= $\pm40^\circ$, V= $\pm40^\circ$); LAN control; Lens Memory; Lens Shift
	(vertical +0.5 max/-0.1 max, horizontal \pm 0.3 max.); Light Source Adjustment; Manual Wall
	Color Correction; Multi-Screen compensation mode; NaViSet Administrator 2; Optional User
	Logo; OSD with 27 languages; Password Security System; PIP/Side by Side, HDMI - Input; PJ
	LINK; Portrait Setting; Rec2020 to Rec709 colour conversion; RS-232 Control; Seamless
	Switching; Stacking Function; Test Pattern; Timer-Function; UHD player support; Up to 20,000
	hrs Light Source Life; Virtual Remote for direct PC control

Green Features

Energy Efficiency	ECO scheduler; Intelligent Power Management; Less than 0.3W Stand-By power; Longer Light Source Life; Software scheduling; Timer-Function
Ecological Materials	100% recyclable packaging; Downloadable manuals
Ecological Standards	ErP compliant

Warranty

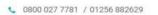
Projectors	3 years pan-European service
Light Source	3 years or 10000h (whatever comes first)

Shipping Content

Shipping Contents	IR Remote Control (RD-480E); Power Cord; Projector; Quick Setup Guide; Users Manual on CD-
	ROM

Optional Accessories

Optional Accessories	10 optional bayonet lenses; Universal Ceiling Mounts (PJ01UCM, PJ02UCMPF)
Lenses - motorized	NP40ZL (0.79-1.11:1); NP41ZL (1.3-3.02:1); NP43ZL (2.99-5.93:1); NP44ML-PA4 (0.32:1)
Lenses - manual	NP11FL (0.79:1); NP12ZL (1.16-1.52:1); NP13ZL (1.46-2.95:1); NP14ZL (2.9-4.68:1); NP15ZL (4.59-7.02:1)



JUST PROJECTORS

¹ Compliance with ISO21118-2012

 2 50% of initial brightness at the end of specified laser life time at 25 degree ambient temperature.

Beamer-			
TUEV-			
Approved			Beamer-
TUEV Type	Beamer-CE	Beamer-ErP	RoHS
Approved	CE	ErP	RoHS

This product has been equipped with a laser module and is classified as Class1 of IEC60825-1 Ed3 2014 and is classified as RG3 of IEC62471-5 Ed1 2015.

DO NOT LOOK DIRECTLY INTO THE BEAM.

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