P1+

3,000 RGB ANSI LUMENS

At Norxe we design and manufacture projectors specifically for the simulation industry. Combining new developments in solid state light sources, imaging devices and our own innovation, we build projectors which offer staggering levels of clarity and stability.

Compact design
Norxe projectors are designed to deliver lumens in the most compact and lightweight package technically achievable.

Rugged Construction
Designed to withstand the forces produced in the most extreme motion-based simulators. Our projectors can be mounted in any orientation to motion platforms. 'Lens Lock' technology enables the lens to be attached firmly to the projector body while the lens adjustment rings can be locked in place for zero movement under load.

Stable
Factory color matching allows for multiple projectors to be manufactured to appear seamless in multichannel visual systems. Advances in solid-state light source technology practically eradicate, color drift and brightness drop off.

Low maintenance
Due to our light source technology and our thermal design, a single maintenance interval is all that is necessary within the projectors 100,000 hour life time.

Reliability
Through innovation and experience we strive to ensure that our projectors are as reliable as technically possible.

High quality optics
The Norxe lens range is designed in-house to the highest standards. Fully sealed from the environment to protect from dust and humidity infiltration. Each lens is manufactured with precise metal bodies and high-grade optical glass. No organic parts are present from light source to lens, creating stable performance over time.

" Products made by professionals for professionals"

Single chip DLP
A single imaging device is used to create the image. This allows for a more compact mechanical design and delivers exceptionally sharp content.

True solid-state
The combination of LED technology and our own NXL module create a projector light source capable of 100,000 hrs use in an orientation free install package.

Motion platform certified
Norxe projectors are being used on simulators producing up to 15G. Standard spec 3G

IR
All our projectors have the facility to include an extra IR LED within the optical engine for use with NVG technology.

24/7
Norxe projectors are built to run 24/7

Smear suppression
P1+ supports 2,4,6 and 8ms of smear suppression + 8ms dark frame insertion.

10 years warranty
All our projectors come with a standard 5 year warranty which can be increased to a maximum 10 years.

P1+ WU

P1+ Superwide

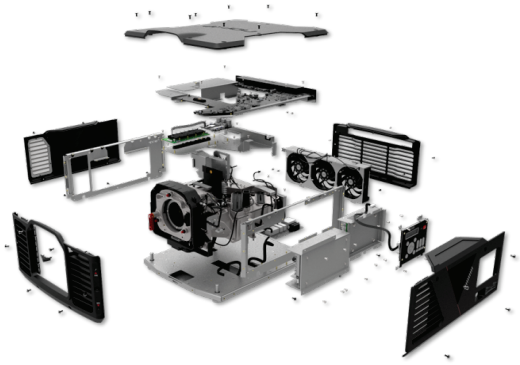
P1+ WQ

P1+ UHD

Projectors by norxe Pseries

norxe
projecting new standards

P1+



Specifications

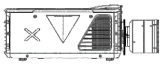
Type of projector	Single chip DLP projector
Resolution	4K UHD, 2560 x 1600 (WQXGA), 1920 x 1200 (WUXGA)
Brightness	3,000 RGB ANSI lumens
Contrast ratio	1,600:1 – 4,000:1 sequential. >5,000,000:1 dynamic
Lens shift (max)	Vertical up to ±120.5% projector resolution/lens option dependent Horizontal up to ±85% projector resolution/lens option dependent

Light source (fully sealed optical architecture)
RGB LED (+ optional IR LED. Standard IR wavelength where applicable is 740nm, other IR wavelengths available)

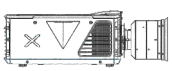
Illumination lifetime	> 100,000 hours
Optical block lifetime	> 100,000 hours
Orientation	Orientation free, no limitations
Input	2 x Dual Link DVI, 2 x DisplayPort 1.2, 1 x HDMI 2.0
3D	Active stereo – up to WQXGA @120Hz
Latency	19ms @ 60Hz/9.5ms @120Hz
Control	IR, Ethernet, 2 x BNC (sync/trigger) & 1 x Mini DIN
Power requirements	90 – 240V, 50 – 60Hz
Power consumption (max)	400W typical, 500W max
Displayable color	30 Bit RGB
Heat dissipation (max)	1,371 BTU/hour typical, 1,706 BTU/hour max
Ambient noise	32 dBA
Dimensions	485 L x 405 W x 216.75 H mm/19.10 L x 15.95 W x 8.54 H inch excl. feet and lens
Weight	17kg/37.5Ibs excl. lens
Certifications	CE, FCC Class A, cNemkous, KC, CCC, Ukraine
MTBF	115,000 hours
Warranty	Limited 5 years parts & labor, extendable up to 10 years. 24/7

Get in touch with the Norxe team

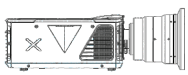
HIGH RESOLUTION LENSES



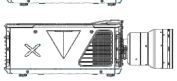
N1 Extra Wide Zoom Lens
Focus length 1 .5 - 8.0 M



N2 Wide Zoom Lens
Focus length 1.5 - 15.0 M



N3 Super Wide Lens
Focus length 0.7 - 3.0 M



N4 Standard Zoom Lens
Focus length 1.5 - 15.0 M

	WUXGA	4K n-shift WQ SUPERW	4K NATIVE
	Throw ratio	Throw ratio	Throw ratio
N1	0.74 - 1.16:1	0.80 - 1.25:1	0.70 - 1.09:1
N2	1.12 - 1.50:1	1.20 - 1.60:1	1.05 - 1.40:1
N3	0.59:1	0.63:1	0.55:1
N4	1.44 - 2.43:1	1.55 - 2.60:1	1.35 - 2.27:1

Projectors by norxe
Pseries