

ESP PROFESSIONAL DISPLAY

ESP12KL

11,700 lm WUXGA Laser Projector

High-output imaging engineered for large-format, immersive and multi-projector installations.

LASER LIGHT SOURCE

4K INPUT COMPATIBLE

360 DEG INSTALLATION



11,700

LUMENS BRIGHTNESS

WUXGA

1920 X 1200

20,000h

STANDARD LIFE

BUILT FOR COMPLEX VISUAL SYSTEMS

Edge blending | Geometry correction | HDBaseT | Active 3D | IP5X optical protection

IMAGING

PROJECTION SYSTEM	DLP, 0.67-inch DMD S600HB
NATIVE RESOLUTION	1920 x 1200 (WUXGA); 4K input compatible
BRIGHTNESS	11,700 lm (central brightness: 12,000 lm)
UNIFORMITY	90%
CONTRAST RATIO	1,800:1 static; 100,000:1 dynamic
EXTREME DARK CONTRAST	3,000,000:1
ASPECT RATIO	16:10; compatible with 16:9 and 4:3

LIGHT SOURCE & OPTICS

LIGHT SOURCE	Laser
LIGHT SOURCE LIFE	20,000 h standard; 25,000 h eco
LENS	Interchangeable powered lens system
THROW RATIO COVERAGE	0.35:1 to 9.3:1, lens dependent
LENS SHIFT	Vertical +/-50%; horizontal +/-15%
KEYSTONE CORRECTION	Supported

INSTALLATION & PROCESSING

INSTALLATION ORIENTATION	360-degree installation
IMAGE PROCESSING	Built-in edge blending and geometry correction
3D	Active 3D
INTEGRATED AUDIO	10 W x 2

CONNECTIVITY

VIDEO INPUTS	HDMI 2.0 x1
AV / TRANSPORT	HDBaseT x1; RJ45 x1; wired remote x1
CONTROL INPUTS	RS-232 (D-sub 9-pin) x1; USB-A (DC 5 V) x1
3D / AUDIO INPUTS	3D Sync BNC x1; 3.5 mm audio x1
OUTPUTS	3D Sync BNC x1
TRIGGER OUTPUT	12 V trigger, 3.5 mm x1

ELECTRICAL & ACOUSTIC

POWER SUPPLY	AC 100-240 V +/-10%, 50/60 Hz
POWER CONSUMPTION	505 W standard; 260 W eco
STANDBY POWER	0.5 W or less
OPERATING NOISE	36 dB or less standard; 27 dB or less eco

PHYSICAL & ENVIRONMENTAL

PROTECTION LEVEL	IP5X
DIMENSIONS (W X D X H)	486 x 393 x 174 mm
WEIGHT	12 kg
OPERATING TEMPERATURE	5-40 deg C, non-condensing
OPERATING HUMIDITY	10%-85%
OPERATING ALTITUDE	0-2,500 m; high-altitude mode from 1,500 m

INCLUDED ACCESSORIES

IN THE BOX	Power cord x1; VGA cable x1; remote control x1
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OPTIONAL LENS RANGE

ESP12KL

Flexible optics for ultra-short-throw, standard and long-distance projection applications.

LENS MODEL	THROW RATIO	LENS SHIFT
A15M	0.35-0.39:1	V +/-35% H +/-13%
A15N	0.35:1	V +/-32% H +/-13%
A15P	0.39:1	V +/-35% H +/-13%
A15L	0.48:1	V +/-45% H +/-25%
A01K	0.60:1	V +/-21% H +/-10%
A01KB	0.64:1	V +/-30% H +/-11%
A15A	0.70:1	V +/-22% H +/-10%
A16E	0.90:1	V +/-23% H +/-10%
A15K	0.47-0.49:1	V +/-45% H +/-25%
A01H	0.51-0.65:1	V +/-23% H +/-10%
A01L	0.75-1.12:1	V +/-27% H +/-11%

TOTAL OPTICAL COVERAGE

0.35:1 - 9.30:1

Actual image size, lens shift and installation clearances depend on the selected lens and projection geometry.

OPTIONAL LENS RANGE

ESP12KL

Additional standard, long-throw and special-format optics.

LENS MODEL	THROW RATIO	LENS SHIFT
A15D	1.05-1.70:1	V +/-30% H +/-11%
A03B	1.20-2.00:1	V +/-29% H +/-14%
A03	1.50-3.00:1	V +/-30% H +/-15%
A15G	0.60:1	V +/-25% H +/-12%
A03D	1.20-2.00:1	V +/-29% H +/-14%
A13B	3.60-6.10:1	Full lens shift
A13C	5.50-9.30:1	Full lens shift
A03 - ORIGINAL	1.50-3.00:1	Full lens shift
A13 - ORIGINAL	2.90-5.50:1	Full lens shift
CUSTOM FISHEYE	176 / 184 degrees	Special-format optic

TOTAL OPTICAL COVERAGE

0.35:1 - 9.30:1

Select the lens according to image size, projection distance, lens shift and installation geometry.

ALL DIMENSIONS IN MILLIMETRES

