

EIKI

EK-812U

WUXGA Large Class 1 chip DLP Laser Projector



4K & HDR Supported Maintenance-free Laser Projector

4K Supported

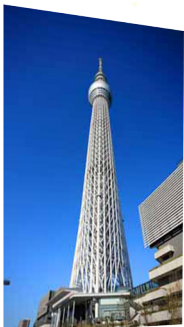
This new projector ensures to make 4K content (4K video) converted to on-screen motion smoothly and naturally.

HDR (High Dynamic Range) Supported

With support for HDR this new projector attracts viewers with realistic image featuring deeper blacks and brighter colors.

Flexible Installation

Portrait Projection



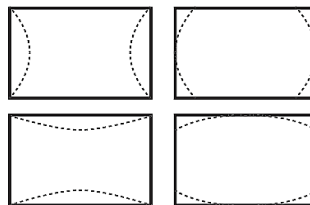
Portrait Projection is ideal for more solutions, such as the projection mapping, staging, digital signage and other needs.

360° free orientation

360° free orientation (vertically and horizontally) projection is possible.



Geometric Correction



Geometric correction adapts the image for projection on a spherical, cylindrical and other specially shaped screens.

Recommended Applications & Place of Installations



- Signage
- Auditoriums
- Large Conference rooms
- Exhibitions / Events
- Museums / Galleries
- Theatres / Halls
- Houses of Worship

8,200 Lumens*

WUXGA (1920 x 1200)

EK-812U is the WUXGA large class 1 chip DLP Projector which is 4K and HDR (High Dynamic Range) supported. This model provides virtually maintenance-free operation and reduces the total cost of ownership by sealed optical engine design (IP5X) which is protection against dust without filter, and laser light source with 20,000 hours life. With above features, 6 optional lenses and useful installation functions are suitable for digital signage, auditoriums, large conference rooms, museums, events, theaters, houses of worship, hotels, etc.

Key Features

- 4K Supported
- HDR (High Dynamic Range) supported
- 20,000 hours Light Source Life
- Digital Input
 - HDBaseT x 1, HDMI x 2
 - 3G-SDI x 1, DVI-D x 1
- Flexible installation
 - 360° free orientation
 - Portrait Projection
 - Lens Shift
 - H: +/- 1.5%, V: +/- 50%
 - Keystone Correction
 - H: +/- 20°, V: +/- 20°, 4-Corner
 - Geometric Correction
 - Blending Function
 - 6 Optical Lenses
 - including Ultra Short Throw Lens
- Sealed Optical Engine design
 - IP5X without filters
- Quiet Operation
 - 34dB at Eco and 36dB at Normal mode



* Center Lumens

EK-812U

WUXGA Large Class 1 Chip DLP Laser Projector



Specifications

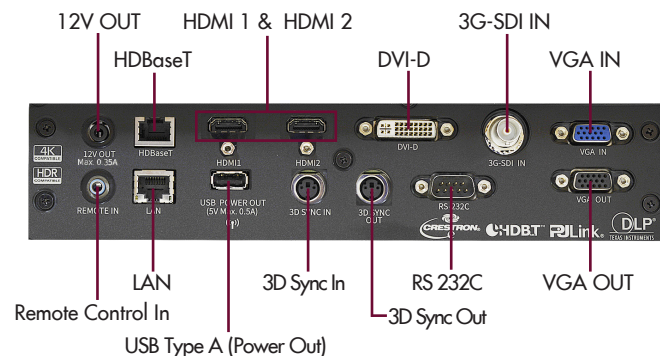
Model (EAN)	EK-812U (457119467 948 9)	
Display Type	0.67" 1chip DMD	
Resolution	WUXGA (1920 x 1200)	
Aspect Ratio	16:10	
Brightness	8,200 lm*	
Contrast Ratio	100,000:1	
Projection Light Source	Laser (Blue) + Phosphor	
Light Source Life	20,000 hours	
Image Diagonal	Depends on lens (See below table)	
Lens (F Value / Focal length)	Depends on lens (See below table)	
Zoom / Focus Adjustment	Motorized	
Zoom Ratio	Depends on lens (See below table)	
Throw Distance	Depends on lens (See below table)	
Throw Ratio	Depends on lens (See below table)	
Lens Shift (Motorized)	V: +/-50%, H: +/-15%	
Keystone Correction	V: +/-20 degrees, H: +/-20 degrees 4-Corner	
Projection Elevation Adjustment	Up to 5 degrees	
Scanning Frequency	H Sync: 15, 31- 91.4 kHz V Sync: 24 - 30, 47 - 120 Hz	
Dot Clock	162 MHz	
Input Signals - Computer	WUXGA (1920 x 1200) -VGA (640 x 480)	
Input Signals - Video	1080 i/p, 720 p, 576 i/p, 480 i/p	
Terminal	3G-SDI In	BNC x 1
	HDBaseT In	RJ45 x 1
	HDMI In	HDMI x 2 (Ver 2.0)
	DVI-D In	DVI-D x 1
	VGA In	D-Sub 15 x 1
	Monitor Out (VGA Out)	D-Sub 15 x 1
	USB	USB Type A x 1 (Power Out)
	LAN	RJ45 x 1
	RS-232C	D-sub 9 x 1
	3D Sync In	MINI DIN 3 pin x 1
	3D Sync Out	MINI DIN 3 pin x 1
	Remote Control In	3.5mm Mini Jack x 1
12V Out	3.5mm Mini Jack x 1	
Fan Noise (Eco / Normal)	34 dB / 36 dB	
Dimensions (W x H x D)	484 x 181 x 509 mm	
Weight	17.7 kg (Without Lens)	
Power Requirements	AC 100 - 240 V, 50/60 Hz	
Power Consumption (Eco / Normal)	290 W / 585 W	
Thermal Dissipation	2,000 BTU	
Standard Accessories	AC Power Cord x 2 (U.S. A. & Euro), VGA cable x 1, Remote Control (with AAA batteries x 2), Quick Start Guide, Safety Guide	

* Center Lumens

Dimensions



Terminals



Optional Lenses

Lens	Throw Ratio	Throw Distance (m)	Zoom Ratio	Screen Size	Lens Spec.
AH-A25010	0.36:1	0.96-3.01	N/A	120"-350"	F=2.4 f=N/A
AH-A22010B	0.75-0.95:1	0.81-6.13	1.26x	50"-300"	F=2.30-2.53 f=11.11-14.06 mm
AH-A22020	0.95-1.22:1	1.02-7.88	1.28x		F=2.30-2.57 f=14.03-17.96 mm
AH-A22050	1.22-1.52:1	1.31-9.82	1.25x		F=2.00-2.30 f=18.20-22.60 mm
AH-A21010	1.52-2.92:1	1.64-18.87	1.9x		F=2.30-3.39 f=22.56-42.87 mm
AH-A23010	2.90-5.50:1	3.12-35.54	1.9x		F=2.30-2.74 f=42.60-80.90 mm

Optional Accessories

Wi-Fi Dongle (P/N: AH-B34020)
Wired Remote Cable (P/N: AH-B34030)

EIKI INDUSTRIAL CO.,LTD.

6-23 Teramoto, Itami-Shi, Hyogo, Japan
Tel: +81-72-782-7552 • Web: global.eiki.com

Specifications subject to change without notice.
All other trademarks are the property of their respective trademark owners.
©2019 EIKI Industrial Co., Ltd.