

# EIKI

## EK-812U

WUXGA Large Class 1chip 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



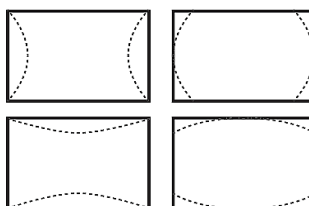
Portrait Projection is ideal for more solutions, such as the projection mapping, staging, digital signage and other needs.

#### 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 1chip 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: +/- 15%, 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

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## Specifications

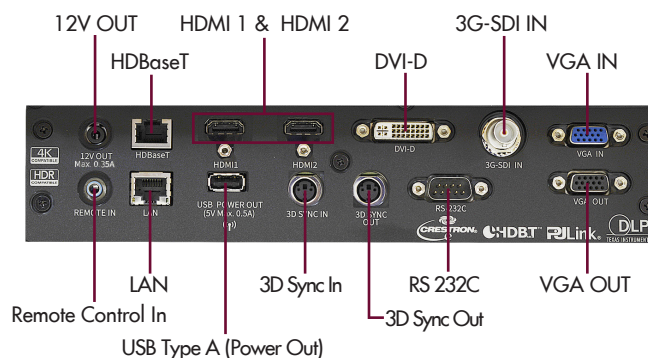
|                                  |                       |  |
|----------------------------------|-----------------------|--|
| Model (EAN)                      |                       | EK-812U (457119467 948 9)  |
| Display Type                     |                       | 0.67" 1chip DMD  |
| Resolution                       |                       | 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<br>4-Corner   |
| Projection Elevation Adjustment  |                       | Up to 5 degrees  |
| Scanning Frequency               |                       | H Sync: 15, 31- 91.4 kHz<br>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),<br>VGA cable x 1,<br>Remote Control (with AAA batteries x 2),<br>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<br>f=N/A                  |
| AH-A22010B | 0.75-0.95:1 | 0.81-6.13          | 1.26x      | 50"-300"    | F=2.30-2.53<br>f=11.11-14.06 mm |
| AH-A22020  | 0.95-1.22:1 | 1.02-7.88          | 1.28x      |             | F=2.30-2.57<br>f=14.03-17.96 mm |
| AH-A22050  | 1.22-1.52:1 | 1.31-9.82          | 1.25x      |             | F=2.00-2.30<br>f=18.20-22.60 mm |
| AH-A21010  | 1.52-2.92:1 | 1.64-18.87         | 1.9x       |             | F=2.30-3.39<br>f=22.56-42.87 mm |
| AH-A23010  | 2.90-5.50:1 | 3.12-35.54         | 1.9x       |             | F=2.30-2.74<br>f=42.60-80.90 mm |

## Optional Accessories

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

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