## **Product Details**

#### Dimensions

#### **■** Remote Control











#### **Terminal**



- ① DVI-D ② VGA IN ③ VGA OUT ④ HDMI OUT (B) SONC OUT (7) HDRaseT (8) AN

@ 3D 3 11V		ei ©LAN	® no-2020	Thermal Dissipation	on				
<b>®REMOT</b>	REMOTE IN ① USB Type A for WiFi Dongle (Wireless LAN)								
12 USB Ty	pe B for SERVICE (		Standard Accesso	ries					
Option Lens *3									
Model #	AH-A22010A	AH-A22020	AH-A22030 *1 *2	Al	H-A22050				

						6					
EK-810U EK-620U EK-620UA	EK-811W EK-621W EK-621WA	EK-810U EK-620U EK-620UA	EK-811W EK-621W EK-621WA	EK-620U EK-620UA	EK-621W EK-621WA	EK-810U EK-620U EK-620UA	EK-811W EK-621W EK-621WA	EK-810U EK-620U EK-620UA	EK-811W EK-621W EK-621WA	EK-810U EK-620U EK-620UA	EK-811W EK-621W EK-621WA
0.75 - 0.95:1	0.79 - 1.00:1	0.95 - 1.22:1	1.00 - 1.28:1	1.22 - 1.53:1	1.28 - 1.61:1	1.22 - 1.53:1	1.28 - 1.61:1	1.52 - 2.92:1	1.60 - 3.07:1	2.90 - 5.50:1	3.04 - 5.78:1
x 1.26		x 1	.28	x 1.25		x 1.25		x 1.9		x 1.9	
h 11.11 - 14.06 mm		14.03 - 1	7.96 mm	18.07 - 22.59 mm		18.07 - 22.59 mm		22.56 - 42.87 mm		42.60 - 80.90 mm	
	EK-620U EK-620UA 0.75 - 0.95:1	EK-620U EK-621W EK-621WA 0.75 - 0.95:1 0.79 - 1.00:1 x 1.26	EK-620U EK-621W EK-620UA  0.75 - 0.95:1 0.79 - 1.00:1 0.95 - 1.22:1  x 1.26 x 1	EK-620U EK-620UA         EK-621W EK-621WA         EK-620U EK-620UA         EK-621W EK-621WA           0.75 - 0.95:1         0.79 - 1.00:1         0.95 - 1.22:1         1.00 - 1.28:1           x 1.26         x 1.28	EK-620U EK-620UA         EK-621W EK-621WA         EK-620U EK-620UA         EK-621W EK-620UA         EK-621W EK-620UA         EK-620UA           0.75 - 0.95:1         0.79 - 1.00:1         0.95 - 1.22:1         1.00 - 1.28:1         1.22 - 1.53:1           x 1.26         x 1.28         x 1	EK-620U EK-620UA         EK-621W EK-620UA         EK-620U EK-620UA         EK-621W EK-621WA         EK-621W EK-621WA         EK-621W EK-621WA           0.75 - 0.95:1         0.79 - 1.00:1         0.95 - 1.22:1         1.00 - 1.28:1         1.22 - 1.53:1         1.28 - 1.61:1           x 1.26         x 1.28         x 1.25	EK-620U EK-620UA         EK-621W EK-620UA         EK-620U EK-620UA         EK-620U EK-620UA         EK-620U EK-620UA         EK-620U EK-620UA         EK-620U EK-620UA           0.75 - 0.95:1         0.79 - 1.00:1         0.95 - 1.22:1         1.00 - 1.28:1         1.22 - 1.53:1         1.28 - 1.61:1         1.22 - 1.53:1           x 1.26         x 1.28         x 1.25         x 1	EK-620U EK-620UA         EK-621W EK-620UA         EK-620U EK-621WA         EK-621W EK-621WA         EK-621W EK-621WA<	EK-620U EK-620UA         EK-621W EK-620UA         EK-621W EK-620UA         EK-621W EK-620UA         EK-621W EK-620UA         EK-620U EK-620UA         EK-620U EK-620UA         EK-621W EK-620UA         EK-621W EK-620UA         EK-620U EK-620UA           0.75 - 0.95:1         0.79 - 1.00:1         0.95 - 1.22:1         1.00 - 1.28:1         1.22 - 1.53:1         1.28 - 1.61:1         1.22 - 1.53:1         1.28 - 1.61:1         1.52 - 2.92:1           x 1.26         x 1.28         x 1.25         x 1.25         x 1.25         x 1.25	EK-620U EK-620UA         EK-621W EK-620UA         EK-621W EK-620UA         EK-620U EK-620UA         EK-621W EK-620UA         EK-621W EK-620UA         EK-621W EK-620UA         EK-621W EK-620UA         EK-621W EK-620UA         EK-621W EK-620UA         EK-620U EK-620UA         EK-621W EK-620UA         EK-621W EK-620UA         EK-620U EK-621WA         EK-620U EK-621WA<	EK-620U EK-620UA         EK-621W EK-620UA         EK-621W EK-620UA         EK-620U EK-620UA         EK-621W EK-620UA         EK-621W EK-620UA         EK-621W EK-620UA         EK-620U EK-620UA         EK-620U EK-620UA<

Throw Distance 0.81 - 6.13 m 0.83 - 6.45 m 1.02 - 7.88 m 1.08 - 8.27 m 1.31 - 9.89 m 1.38 - 10.40 m 1.31 - 9.89 m 1.38 - 10.40 m 1.64 - 18.87 m 1.72 - 19.84 m 3.12 - 35.54 m 3.27 - 37.35 m

- t: AH-A22030 is available for only EK-620U, 620UA, 621W, and 621WA
- \*2: AH-A22030 is included in EK-620UA and 621WA as bundled unit. \*3: AH-A22040 is available for EK-620U and 620UA to get superior image.
- Talk to your EIKI Dealer... the "pro" in projectors.



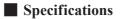
#### Eiki Industrial Co., Ltd.

6-23 Teramoto, Itami-Shi, Hyogo, Japan Tel: +81-72-782-7552 • Fax: +81-72-782-7590 EIKI World Web Site: http://www.eiki.com

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2018/5/EK-810S&620S R1/STK

Quick Start Guide, Safety Guide



	Model	EK-810U	EK-811W	EK-620U EK-620UA	EK-621W EK-621WA			
Display Type	Display Type		0.65"1chip DMD	0.67"1chip DMD	0.65"1chip DMD			
Resolution			WXGA (1280x800)	WUXGA (1920x1200)	WXGA (1280x800)			
Aspect Ratio			16	: 10				
Brightness		800	0 lm		0 lm			
Contrast Ratio (	FoFo, Dynamic Black:ON)		100000 : 1					
Projection Light	Source	Laser ( Blue and	Red ) + phosphor	Laser ( Blue	) + phosphor			
Light source Life	<del></del> 9	20000 hours						
Screen Size			50 - 30	00 inch				
Zoom & Focus								
Throw Distance	( Wide - Tele )	De	Depend on lens ( See below table )					
Throw Ratio		., ( 222 22.2 )						
Lens Shift		V:	+/- 50 %, H : -	+/- 15 % ( Pov	vered)			
Keystone Corre	ction	V :	+/- 20 degree:	s, H:+/- 20 d	egrees			
Projector Elevat	tion Adjustment		Up to !	5 degrees				
Scanning Frequ	ency	H sync:15, 31 - 91.4 kHz, V sync: 24 - 30, 47 - 120 Hz						
Dot Clock			162 MHz					
Remote Control		Wireless (Infrared) x 1						
Computer Compatibility		WUXGA ( 1920 x 1200 ) - VGA ( 640 x 480 )						
Video Compatib	oility	1080 i/p, 720p, 576 i/p, 480 i/p						
	HDBaseT	RJ45 x 1						
Input	HDMI	HDMI ( version 1.4 ) x 1						
Terminal	DVI	DVI-D x 1						
	VGA	D-sub 15 pin x 1						
Output	VGA	D-sub 15 pin x 1						
Terminal	HDMI	HDMI (version 1.4) x 1						
Terminal	3D-Sync	Mini Din 3 pin x 1						
	LAN Control	RJ45 x 1						
Control	Remote Control IN	Mini jack ( 3.5mm ) x 1						
Terminal	Serial Port ( RS-232C )	D-sub 9 pin ( Cross ) x 1						
Terriiriai	Wi-Fi	USB Type A x 1						
	Service	USB Type B x 1						
Fan Noise ( Eco / Normal )		32 dB / 35 dB						
Size (WxHxD)		484 x 181 x 509 mm						
Weight		24.0 kg ( without Lens ) 23.4 kg ( without Lens )						
Power Requirements		AC100 - 240 V, 50 / 60Hz						
Power	Eco		5W		OW			
Consumption	Normal	77	OW		5W			
	Stand-by		< 0.					
Thermal Dissipa	Thermal Dissipation		2625.7BTU / hour 2608.7BTU / hour					
		AC Power Cord x 2 (U.S.A. and Euro), VGA cable,						
Standard Acces	sories	Lens Cover x 2, Remote Control & Battery AAA x 2,						





# EK-810 Series & EK-620 Series Laser Light Source Professional Projector





These models adopt the sealed optical engine design which is complete protection against dust, Laser light source with 20,000 hours life, and no filter design. Therefore maintenance is much less demanding and it reduces the total running cost. Also, 7 Optional Lenses and useful installation functions are suitable for digital signage, auditoriums, large conference rooms, museums, etc.

## Professional Installation

#### Portrait Projection

Portrait mode provides more solutions for projection mapping, staging, digital signage and other needs



#### ■ 360-degree installation capability

You can install at both vertical and horizontal angle to accommodate various places.



#### **Keystone & Geometric Correction**

It can correct a distortion to make a square image with Keystone Correction, and adjust a pincushion and barrel image with Geometric Correction. Those functions make it possible to project an image on a pillar and a spherical screen.

- Keystone H: +/- 20 degrees V: +/- 20 degrees
- Geometric Correction H Pincushion V Pincushion

#### LAN control

Remote Control and monitoring of a projector via wired and wireless LAN are available. (Wi-Fi dongle AH-B34020 : Option) Also, control system such as Crestron Electronics controller and related software (ex. RoomView®) are supported.





#### **HDBaseT**

HDBaseT simplifies your installations. Only connecting a LAN cable (up to 100m), it can input high definition video and control signals simultaneously. CHDBT

#### Lens Shift

The projection lens can be moved up, down, right, and left with the motor-driven lens shift. This function makes the positioning of images easy on the screen.

• H / V Lens Shift H: +/- 15 %, V: +/- 50 %

#### 7 Optional Lenses\*3

The wide range of optional lenses are available.

 Throw Ratio 0.75: 1 to 5.50: 1 for EK-810U & EK-620U / 620UA 0.79:1 to 5.78:1 for EK-811W & EK-621W / 621WA



- \*1: AH-A22030 is available for only EK-620U, 620UA, 621W, and 621WA \*2: AH-A22030 is included in EK-620UA and 621WA as bundled unit.
- \*3: AH-A22040 is available for EK-620U and 620UA to get superior image.



EK-810U	8000lm	WUXGA(1920x1200)
EK-811W	8000lm	WXGA(1280x800)

DLP.



EK-620U EK-620UA*	6500lm	WUXGA(1920x1200)
EK-621W EK-621WA*	6500lm	WXGA(1280x800)

\* EK-620UA & EK-621WA are lens bandled units with AH-A22030

### **Key Features**

- 8,000 lumens brightness for EK-810 series 6,500 lumens brightness for EK-620 series
- 100,000:1 contrast ratio
- EK-810U & EK-620U/620UA: Native WUXGA Resolution EK-811W & EK-621W/621WA: Native WXGA Resolution
- 20,000 Hours Light source life with Laser Technology (90% of brightness is retained 2,000 Hours)
- 3 Digital Inputs, HDBaseT, HDMI, DVI-D
- Flexible Installation up to 360 degrees (vertically and horizontally) and Portrait Production
- **Keystone & Geometric Correction**
- **Seven Optional Lenses**
- **Built-in Picture in Picture and Picture by Picture**
- Wired & Wireless network monitoring and control

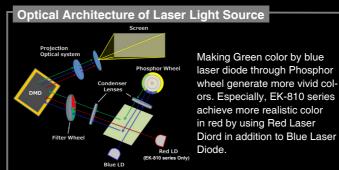
# High Image Quality

#### High Brightness

It achieves high brightness 8,000lm in EK-810 series, and 6,500lm in EK-620 series with the low power consumption.

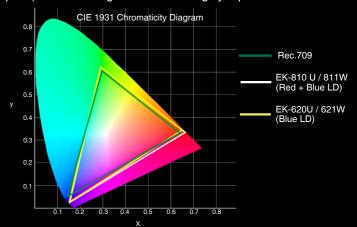
#### High Contrast

Laser diode achieves high contrast ratio of 100,000:1. Extreme Black mode provides total blackout and it creates more black at darker scenes.



#### High Color Reproduction

EK-620 series with Blue Laser diode covers 113% and EK-810 series with Red laser diode in addition to Blue laser Diode covers 116% of the color space for the Rec.709 (HDTV primary color space). It means original colors are highly reproduced on screen.



# Other Features

#### 20,000 hours Light Source Life

It provides up to 20,000 hours of operation without replacement of light source. Also laser diode retains 90 % of brightness after 2,000 hours usage. It keeps the bright and brilliant image over a long period of time.

#### Sealed optical engine design (IP6X)

The IP rating system provides the classification of the protection from dust. It employs sealed optical engine design and is classified as IP6X (No ingress of Dust) without filter. So, it offers to reduce the time and cost for maintenance.

#### **DICOM<sup>®</sup> simulation mode**

The DICOM (Digital Imaging and Communications in Medicine) Simulation Mode projects grayscale images which approximates DICOM Part 14 specifications.

#### Picture in Picture & Picture by Picture

It enables you to display two images with picture in picture and side by side. Picture size is selectable from small / medium / large. Also Layout is selectable from Bottom right/ Bottom left / Top right / Top left in Picture in Picture, and Left / Top / Right / Bottom in Picture by Picture.

