

EK-510 Series (EK-510U*/510UL/511W*/511WL/512X*/512XL)

WUXGA / WXGA / XGA High-End LCD Projector

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High Brightness and Superior Installability Projector with Versatile Function



EK-510U* EK-510UL	7000lm	WUXGA (1920x1200)
EK-511W* EK-511WL	7500lm	WXGA (1280x800)
EK-512X* EK-512XL	8000lm	XGA (1024x768)

* Model with Lens (AH-E21010)

Outstanding Features

- High Brightness & Contrast
EK-510U / 510UL : 7000 lm, Contrast Ratio 2500:1
EK-511W / 511WL : 7500 lm, Contrast Ratio 2500:1
EK-512X / 512XL : 8000 lm, Contrast Ratio 2500:1
- Digital Input Terminal (HDBaseT x 1*, HDMI x 2)
- Equipped with Long Life Lamp
(Normal:3000 hrs, Eco: 4000 hrs)
- Edge Blending Function
- DICOM Mode and 5 Picture Modes
(Dynamic, Standard, Cinema, Blackboard, Colorboard)
- Auto Ceiling and 3 Auto Setup Functions
(Auto Search, Auto PC Adjust, and Auto Keystone)
- 5 Optional Lenses
- Easy Maintenance of Side-accessed Lamp & Filter
- Built-in 10-Watt Speaker
- Antitheft Bar

Flexible Installation

- Lens Shift
EK-510U/510UL/512X/512XL
V : +/- 60 % , H : +/- 30%
EK-511W/511WL
V : +/- 70 % , H : +/- 30%



- 360 - degree installation capability
It is possible to install at any vertical angle to accommodate various places.



- Keystone & Curved Correction

V : +/- 30° , H : +/- 15°
Corner Keystone

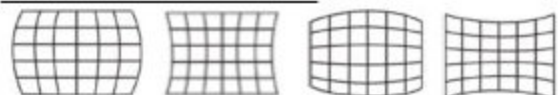


① Distorted screen
② Adjusting the 4 corners



③ Normal rectangle screen

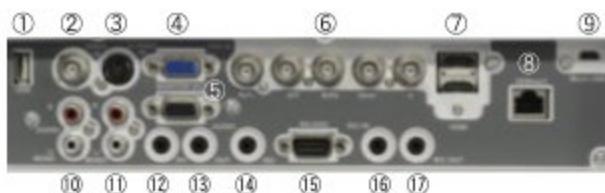
Curved (Pincushion / Barrel) Correction*2



*1.EK-510U/510UL, EK-511W / 512WL Only. *2.EK-511W / 511WL, EK-512X / 512XL Only.

* Model with Lens (AH-E21010)

Terminal



- ① USB ② VIDEO IN ③ S-VIDEO IN ④ VGA IN
- ⑤ VGA OUT ⑥ RGBHV/YPbPr ⑦ HDMI
- ⑧ HDBaseT (EK-510U/510UL/511W/511WL)/LAN (EK-512X/512XL)
- ⑨ Micro USB ⑩ AUDIO IN (Video) ⑪ AUDIO IN (S-Video)
- ⑫ AUDIO IN 1 (VGA) ⑬ AUDIO OUT ⑭ AUDIO IN 2 (RGB/YPbPr)
- ⑮ RS232C ⑯ R/C IN ⑰ R/C OUT

Cabinet Size

W x H x D 474 x 179 x 412 mm



Control Panel



Lamp



P/N: 23040055

Filter



P/N: 63220081

Remote Control

P/N: 63910023



Optional Lens *3

Model#	AH-E22010	AH-E22020	AH-E21010	AH-E23010	AH-E23020
Image					
Zoom Ratio	Fixed	Powered x1.3	Powered x1.8	Powered x1.6	Powered x1.7
F Number	1.8	2.0 - 2.6	1.8 - 2.6	2.2 - 2.8	2.2 - 2.8
Focal Length (f:mm)	12.4	19.3 - 24.9	24.0 - 43.2	45.6 - 73.8	70.3 - 119.5
Throw Ratio	0.8:1	1.2-1.5:1	1.5-2.7:1	2.6-4.4:1	4.3-7.3:1

*3. Common Lenses to EK-500 series

Specifications

Model	EK-510U/510UL	EK-511W/511WL	EK-512X/512XL
Display Type	0.76" 3LCD	0.76" 3LCD	0.79" 3LCD
Resolution	1,920 x 1,200	1,280 x 800	1,024 x 768
Aspect Ratio	16 : 10	16 : 10	4 : 3
Brightness (ANSI)	7,000 lm	7,500 lm	8,000 lm
Contrast Ratio (White : Black)	2,500 : 1		
Projection Lamp	430 W		
Estimated Lamp Life (Eco / Normal)	4,000 / 3,000 hours		
Image Diagonal	40" - 300"		
Image Width	0.9 - 6.5 m		0.8 - 6.1 m
Lens	See above		
Zoom	See above		
Throw Ratio	See above		
Lens Shift	V:±60% H:±30%	V:±70% H:±30%	V:±60% H:±30%
Keystone Correction	V:±30°, H:±15°, Corner Keystone		
Projector Elevation Adjustment	Up to 5 degrees		
Scanning Frequency	Auto : H Sync. 15 - 100 kHz, V Sync. 48 - 85 Hz		
Dot Clock	160 MHz		
Image Orientation	Normal, Rear, Ceiling, Rear + Ceiling		
Computer : Compatibility	WUXGA - VGA		
Video : Compatibility	480 i/p, 576 i/p, 720p, 1080 i/p		

Model	EK-510U/510UL	EK-511W/511WL	EK-512X/512XL
Terminal	HDMI	HDMI x 2 (1 HDMI supports MHL)	
	VGA	D-sub 15 x 1	
	RGBHV	5 BNC x 1	
	YPbPr (Component)	3 BNC x 1 (Shared with RGBHV)	
	Video (Composite)	BNC x 1	
	S-Video	Min Din-4 pin x 1	
	USB	USB Type A x 1 (Memory Viewer)	
	Micro USB	Micro USB x 1 (USB Display / Service)	
	HDBaseT	RJ45 x 1	
	LAN	-	RJ45 x 1 (Display/Control)
	Monitor Out	D-sub 15 x 1	
	Audio in	RCA(L / R) x 2, 3.5 mm Stereo Mini Jack x 2	
	Audio out	3.5mm Stereo Mini Jack x 1	
	RS232	D-sub 9 x 1	
Remote Control	3.5 mm Mini Jack in x 1 / out x 1		
Built-in Speaker	Mono 10.0 W x 1		
Fan Noise (Eco / Normal)	34 dB / 40 dB		
Size (W x H x D)	474 x 179 x 412 mm		
Weight (with AH-E21010)	10.3 kg		
Power Supply	100 - 240 V, 50 / 60 Hz		
Power Consumption	Eco / Normal	370W / 580W	
	Stand-by	<0.5W	
Thermal Dissipation	2.013 BTU		
User Maintenance	Lamp, Filter		
Standard Accessories	Quick Start Guide, Safety Information		
	AC Power Cord (U.S.A. & Euro), VGA cable		
	Remote Control (with AA Batteries x 2), Lens Cover **		

*4. for EK-510U / 511W / 512X

EIKI

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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>

Talk to your EIKI Dealer... the "pro" in projectors.

Specifications subject to change without notice.
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2017/4/510/SK