



Projectors... and More!

# EK-820U

10,000 Lumens / WUXGA / 1-chip DLP®

"Large Venue" Series Projector

Laser (Red/Blue) + Phosphor

## EK-820U

10,000 lumens bright and a 100,000:1 contrast ratio.

Lampless Laser Technology.

1-chip DLP® technology.

3 Digital Inputs including HDBaseT.

Native WUXGA resolution. Compatible with inputs up-to UXGA and WUXGA.

Supports analog and digital video input in all color standards up-to 1080p.

Displays both 4:3 and 16:9 aspect ratios. Supports most HDTV resolutions.

Flexible Installation up to 360°

Wired network monitoring and control.

Telnet, Crestron, AMX & PJ-Link.

Wifi available with optional USB Dongle.

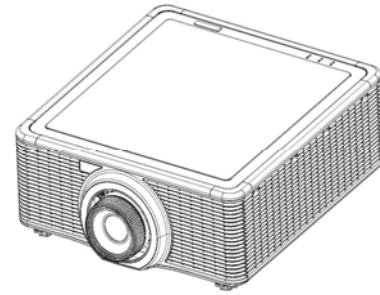
Horizontal and Vertical Keystone Correction.

Pin Cushion and Barrel image correction.

Built-in Picture in Picture and Picture by Picture.

Security bar. Kensington® MicroSaver® security slot. PIN lock.

\*3 year projector warranty.



## Included Accessories:

Quick Start Guide, VGA Computer Input Cable (Dsub15 to Dsub15), 6.0 ft (1.8 m) Detachable Power Cord

Remote Control (with 2 AA Batteries).

## Optional Accessories:

ATA-Style Case with Wheels and Telescoping Handle, Ceiling Mount, Ceiling Post and Plate.

### Specifications: Model EK-820U

<b>Brightness</b>	10,000 ANSI Lumens	<b>Image Signal Resizing</b>	Smart Scaling Technology
<b>Contrast Ratio</b>	100,000:1	<b>Image Signal Inputs</b>	
<b>Resolution and Aspect Ratio</b>	WUXGA (1920 x 1200), 16:10	<b>Computer 1</b>	Dsub15 x 1
<b>Color Reproduction</b>	10 bit	<b>Digital Video (w/ HDCP)</b>	HDMI x 1
<b>Projection Light Source</b>	Laser (Red/Blue) + Phosphor	<b>Digital Video (w/ HDCP)</b>	DVI-D x 1
<b>Total Pixels</b>	2,304,000 (1920 x 1200) x 1	<b>3G-SDI</b>	BNC x 1
<b>Imaging System</b>	0.67" DMD™ DLP® chip x 1	<b>HDBaseT</b>	RJ45 x 1
<b>Scanning Frequency</b>	Auto: H Sync. 15.734-91.146 kHz, V Sync. 24-120 Hz	<b>USB Type A - Wifi Dongle</b>	Type A x 1
<b>Pixel Clock</b>	162 MHz	<b>Mini USB - Service</b>	Mini USB x 1
<b>Lens</b>	Optional Lenses Available - See lens chart on website	<b>Outputs</b>	
<b>Vertical Lens Shift (% of image height)</b>	up-to 50% Up or Down	<b>Computer</b>	Dsub15 x 1
<b>Horizontal Lens Shift (% of image width)</b>	up-to 15% Left or Right	<b>Digital Video (w/ HDCP)</b>	HDMI x 1
<b>Image Diagonal</b>	50-300 in (127-762 cm)	<b>3D Sync Out</b>	Mini Din 3 x 1
<b>Image Width</b>	3.3-20 ft (1.0-6.1 m)	<b>Fan Noise (Normal / Eco)</b>	35 / 32 dB
<b>Throw Distance</b>	5.9-48.8 ft (1.8-14.9 m)	<b>Cabinet Size (HxWxD) - excluding legs</b>	7.1 x 19.0 x 20.0 in (18.0 x 48.1 x 50.8cm)
<b>Maximum Pitch</b>	up-to 360°	<b>Weight (without lens)</b>	52.9 lb (24 kg)
<b>Vertical Keystone Correction</b>	Digital: up-to 20° Up or Down	<b>Packaged Size (HxWxD)</b>	15.5 x 24.7 x 23.4 in (39.3 x 62.7 x 59.5 cm)
<b>Horizontal Keystone Correction</b>	Digital: up-to 20° Left or Right	<b>Packaged Weight</b>	62.8 lb (28.5 kg)
<b>Image Orientation</b>	Normal, Reversed, Inverted	<b>Operating Temperature</b>	41-95°F (5-35°C)
<b>Local Control / Power Management</b>	Full Function / Auto Shutdown	<b>Electrical Safety Compliance</b>	IEC / UL / cUL
<b>Remote Control</b>	Wireless / Wired x 1	<b>Electromagnetic Compatibility</b>	FCC Class A, CE Mark
<b>Remote Control / RS-232 Control</b>	MiniStereo x 1 / Dsub9 x 1	<b>Power Requirements</b>	100-240V AC, 50/60 Hz
<b>LAN Port</b>	RJ45 x 1	<b>Power Consumption</b>	0.5 W in Eco Standby mode, up-to 770W
<b>Computer Input in Pixels</b>	up-to 1600x1200 (4:3), 1920x1200 (16:10)	<b>Heat</b>	up-to 2,934 BTU/hr
<b>Analog 4x3 Inputs</b>	UXGA, SXGA+, SXGA, XGA, SVGA, VGA, MAC	<b>Security Facilities</b>	Security Bar, Kensington® Security Slot
<b>Analog Wide Inputs</b>	WUXGA, WSXGA+, WXGA+, WXGA	<b>UPC</b>	4571194678031
<b>Digital 4x3 Inputs</b>	UXGA, SXGA+, SXGA, XGA, SVGA, VGA, MAC	<b>Limited Warranty: to the original end use customer only</b>	
<b>Digital Wide Inputs</b>	WUXGA, WSXGA+, WXGA+, WXGA	<b>Only the laser light engine on Eiki laser projectors will have a 20,000 hour warranty</b>	
<b>Video Input Analog</b>	480i/p, 576i/p	<b>Projector</b>	*3 years / 6000 hours
<b>Video Input Digital</b>	480p, 575p, 720p, 1080i/p		*(whichever occurs first)

Caution! (Remote Control) Laser Radiation - Do not stare into beam. Max. Output: 1m Wave Length: 640 ~ 660 nm. Class II Laser Product

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