

8,300 Lumens • 5,000,000:1 Contrast Ratio • WUXGA
3LCD • Laser Light Source • 4K Scaler

EK-820LU

Conference Series Projector



Key Features

- 8,300 center lumens bright with 80% uniformity and a 5,000,000:1 contrast ratio.
- High brightness and contrast with long life 20,000 hour Laser + Phosphor Light Source.
- 10-bit color processing, for superior color reproduction.
- Native WUXGA resolution. Compatible with inputs up-to UXGA, WUXGA and 4K.
- Supports analog and digital video input in all color standards up-to 1080p.
- Convenient mid-range (1.6:1) manual zoom and focus lens.
- Horizontal, Vertical & Corner Keystone Correction.
- Pincushion/Barrel & 6 point Geometric Correction.
- Horizontal & Vertical Manual Lens Shift. Wired network control.
- Compatible with Crestron RoomView™ & AMX Device Discovery Technology.
- Built-in 16 Watt amplifier and speaker system. Closed Caption decoding.



EK-820LU

WUXGA 3LCD Laser Projector

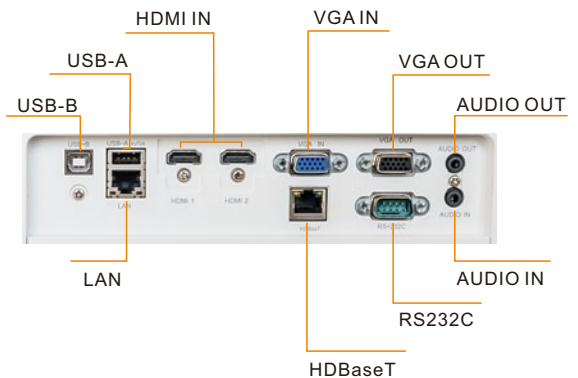
Specifications

Model	EK-820LU
Display Technology	0.64" 3LCD
Resolution	WUXGA (1920x1200)
Aspect Ratio	16:10(Standard)
Brightness	8,300 lumens
Contract Ratio	5,000,000:1
Projection Light Source	Laser (Blue) + Phosphor
Light Source Life	20,000 hours (Normal) / 30,000 hours (ECO)
Image Diagonal	30-300"
Lens (F Value / Focal length)	F = 1.5~2.08 / f= 17.2~27.7mm
Zoom Ratio	Manual x 1.6
Throw Distance	2.5-42 ft (0.77-12.8 m)
Throw Ratio	1.2-2.01:1
Lens Shift (Motorized)	V: +60%, H: +/- 29%
Keystone Correction	V: +/-30°, H: +/-30°, Corner keystone
Projection Elevation Adjustment	Up to 3.5°
Scanning Frequency	Hsync: 15~100KHz, Vsync: 24~85Hz
Dot Clock	up-to 300MHz
Input Signals - Computer	4K (3840 x 2160@30Hz) - VGA (640 x 480)
Input Signals - Video	1080 i/p, 720 p, 576 i/p, 480 i/p
HDMI	HDMI x 2
DVI-D	DVI-D x 1
VGA	D-Sub 15 x 2 (IN/OUT)
Audio	3.5mm mini jack x 2 (IN/OUT)
USB	USB Type A x 1
USB	USB Type B x 1 (for Service)
LAN	RJ45 x 1
HDBaseT	RJ45 x 1
RS-232C	D-Sub 9 x 1
Fan Noise (Eco / Normal)	29 dB / 39 dB
Dimension (W x H x D)	15.9 x 5.3 x 14.7" (373 x 135 x 405 mm)
Weight	17.0 lb (7.7 kg)
Power Requirements	AC 100 - 240 V, 50/60 Hz
Power Consumption (Eco2/ Normal)	235W @ ECO, 425W @ Normal
Thermal Dissipation	1,450 BTU
Standard Accessories	AC Power Cord x 2 (U.S.A & Euro), HDMI cable x 1, Remote Control (without AAA batteries x 2), Quick Start Guide

Dimensions



Terminals



Lens Specs

1.6X Manual Zoom and Focus Lens
 f: 1.5-2.08; FL: 0.677-1.09 in (17.2-27.7 mm)
 Throw to Width: 1.22-1.98:1

Distance Chart

		Screen Width (feet)				
		4	6	10	12	16
Throw Distance (feet)	Wide	4.9	7.3	12.2	14.7	19.6
	Tele	7.9	11.9	19.8	23.8	31.7

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