EIKI

EK-833DU

WUXGA Large Class 1chip DLP Laser Projector

13,000 Lumens*
WUXGA (1920 x 1200)

The EK-833DU is a versatile, high brightness and contrast large venue laser projector.

This model employs a unique dual-track color wheel system which offers both high-brightness and wide color gamut.

Special features offer increased durability, providing virtually maintenance-free operation, reducing total cost of operation.

- Laser light source illuminates brightly up to 20,000 hours.
- Durable multi heat dissipation cooling function
- Color wheel made by high temperature ceramic sintering process
- Filter-less sealed optical engine design (IP6X)

These features allow the EK-833DU to be operated 24/7.

Flexible installation capability and 6 Japanese-made optional lenses enable installation in various places.

High Brightness, Vivid Color and High Performance, Maintenance-free Laser Projector

High brightness

EK-833DU high brightness of 13,0001m enables realistic image reproduction, even in a bright projection environment.

Vivid Color

To achieve increased color enhancement, a unique color wheel system was adopted. It provides High Brightness and Vivid Color images according to the various environments and applications without changing the color wheel.
High Brightness and Vivid Color modes can be selected easily with one click in the on-screen menu.
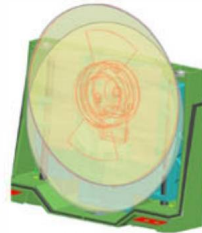
Color Wheel

Longer Life Projector with High Quality Endurance

These three features ensure long-term operation.
1. Mercury-free laser light source illuminates brightly up-to 20,000 hours.
2. Durable multi heat dissipation cooling function achieves efficient operation.
3. The Color Wheel adopts high temperature sintering processed ceraminc.

Sealed Optical Engine design (IP6X)

No filters are necessary thanks to sealed optical engine design which is classified with IP6X rating.
It offers virtually maintenance-free operation (ability to operate 24/7).

Recommended Applications & Place of Installations

- Auditoriums
- Large Conference Rooms
- Exhibitions / Events
- Museums / Galleries
- Theaters / Halls
- Houses of Worship
- Signage

Key Features

- 20,000b rs Light Source Life
- 100,000:1 Contrast ratio
- Flexible installation
  - -360°free orientation
  - -Portrait Projection
  - ■Lens Shift
  - V:+60% H:+/-10% (AH-AC21O2O)
  - -Keystone Correction
  - V:+/-30 degrees
  - H:+/-30 degrees,
  - 4-Corner
- 6 Option Lenses
- Sealed Critical Engine design IP6X without filters
- Lens Memory (Shift / Zoom / Focus)

DLP TEXAS INSTRUMENTS   CRESTRON   HDBT

* Center Lumens

■ Specifications

Model (EAN)		EK-833DU (457119467 968 7)
Display Type		0.67" 1 chip DMD
Resolution		WUXGA (1920x1200)
Aspect Ratio		16:10
Brightness		13,000 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:+60%, H:+/-10% (AH-AC21020)
Keystone Correction		V: +/-30 degrees, H: +/-30 degrees 4-Corner
Projection Elevation Adjustment		Up to 5 degrees
Scanning Frequency		H Sync: 15.73-91.14 kHz VSync: 23.98-119.85 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	BNC x 2 (IN / OUT)
	HDBaseT	RJ45x 1
	HDMI	HDMI x 1 (Ver 1.4)
	DVI-D	DVI-D xl
	VGA	D-Sub 15 x 2 (IN / OUT)
	RGBHV/ Component	5 BNC x 1
	S-Video	Mini Din 4 Pin x 1
	Video	RCA (Yellow) x 1
	USB	USB Type A x 1 (Power Out)
	USB	USB Type B x 1 (Service)
	LAN	RJ45x 1
	RS-232C	D-sub 9 x 2 (IN / OUT)
	3D Sync	MINI DIN 3 pin x 2 (IN / OUT)
	Remote Control	3.5mm Mini Jack x 2 (IN / OUT)
	12V Out	3.5mm Mini Jack x 2 (Max 0.5A)
Fan Noise (Eco / Normal)		39 dB / 43 dB
Dimensions (W x H x D)		21.6x7.4x21.8" (548 x189 x 553 mm)
Weight		58.4 lb (26.5 kg) without lens
Power Requirements		AC 100 ■ 240 V, 50/60 Hz
Power Consumption (Eco / Normal)		1020W/1290W
Thermal Dissipation		4,606 BTU
Standard Accessories		AC Power Cord x 2 (U.S.A. & Euro), VGA cable x 1, Remote Control (with AAA batteries x 2), Quick Start Guide, Safety Guide, Lens Cover x 1

' Center Lumens

■ Dimensions

21.8"

7.4"

21.6"

■ Terminals

RS 232C · Component · S-Video · VGA · DVI-D · USB A · USB B · LAN · 3D SYNC · Remote Control · Video · HDMI 12V Trigger · HDBaseT
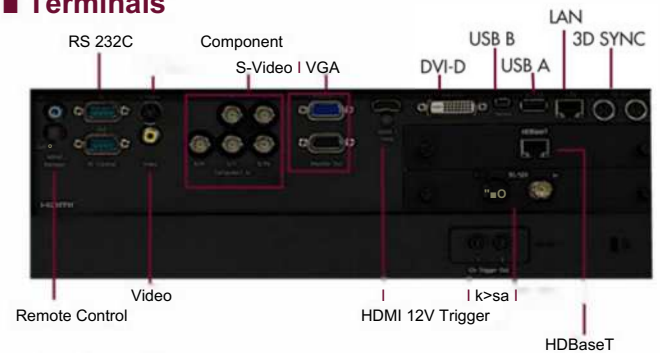
■ Optional Lenses

Lens	Throw Ratio	Throw Distance (ft)	Zoom Ratio	Screen Size	Lens Spec.
AH-AC22060	0.76-0.95:1	3.2-20.0	1.25x	60"-300"	F= 1.84-2.32 f= 0.44-0.56"
AH-AC22070	1.14-1.71:1	4.8-36.2	1.50x		F=l. 82-2.32 f= 0.68-1.00"
AH-AC21020	1.61-2.42:1	6.8-51.2	1.50x		F= 1.60-2.0 f= 0.95-1.41"
AH-AC24020	2.37-3.60:1	10.0-76.3	1.52x		F=l. 80-2.32 f= 1.39-2.11"
AH-AC23020	3.53-5.65:1	14.9-119.7	1.60x		F=l.80-2.20 f= 2.02-3.25"
AH-AC23030	5.52-8.83:1	23.4-187.2	1.60x		F=l. 84-2.34 f= 3.12-4.96"

■ Optional Accessories

Wired Remote controller (P/N: AH-AC34010)