

# CASIO®

**4K**  
ULTRA HD

## XJ-L8300HN

LAMPFREE

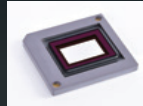
# 4K ULTRA HD

# 5000 LUMENS



## Bringing Large-Screen High Definition Presentations to Large Audiences

Casio has further strengthened its No. 1 position in the solid-state illumination (SSI) projector market with the release of a new lamp-free 4K Ultra HD model featuring 5000 lumens brightness. Installation of a DLP chip enables it to deploy advanced image-processing technologies with high-speed switching of more than 4 million DMD (digital micromirror devices) to project some 8.3 M pixels and achieve 4K Ultra HD resolution. This new 4K projector's simultaneous realization of affordable pricing makes it suitable for widespread use in fields ranging from business to education and entertainment.



4K Ultra HD-compatible DLP chip



Full HD 1080p

4K Ultra HD 2160p

\* Images shown are superimposed graphics.



\* Actual worldwide sales (2010-2015) Solid State Illumination Light Source projectors rated at of 2500 lumens or higher. Various manufacturers' share of worldwide unit sales of above Solid State Illumination Light Source projectors rated at of 2500 lumens or higher. Source: Futuresource Consulting Ltd.

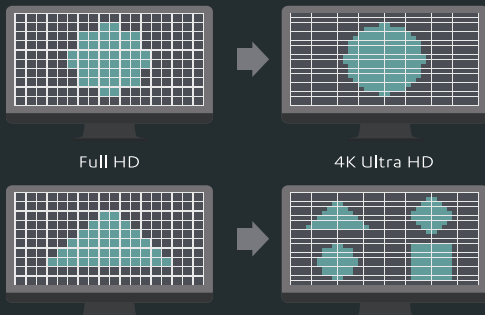
## What Is 4K Ultra HD?

A pixel count approximately four times that of Full HD equips the 4K Ultra HD projector to display a significantly larger volume of information in greater detail. This makes it an ideal tool for presentations making the most of 4K-compatible PC specifications.



### 4 X Resolution

— An increase from 2.1 million to 8.3 million pixels



## ADVANTAGES OF 4K Ultra HD

The advance of the projection screen presentation into the 4K era will enhance the quality of visual communications remarkably across a broad range of fields.

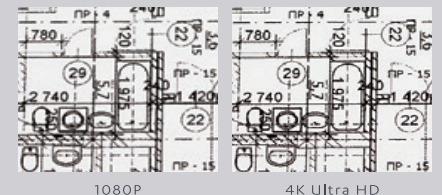


### Unprecedented At-a-Glance Information Sharing

Because 4K Ultra HD projection has 4 times as many pixels as the former 1080p Full HD standard, it enables users to share high-volume information with large audiences on a 4 times larger screen.

### Vivid Detail

Small letters and numbers as well as drawings and design images are displayed in the finest detail. Ultra HD image quality facilitates accurate, high-precision projection that enhances the persuasiveness of any presentation.



1080P

4K Ultra HD



### Large Screen Projection

Images projected on a 100- to 150-inch screen are clearly visible, even when viewed from close up or far away. Large-screen projection results in high-impact presentations.

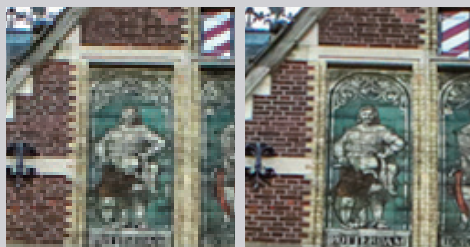
\* Images shown are superimposed graphics.

# Functions to Satisfy Wide-ranging Projection Needs

## SUPER RESOLUTION

The projector uses super resolution processing of images/movies such as 1080p video to throw high-quality images/movies perfectly suited to 4K Ultra HD panels.

Projected image input resolution: Full HD



Super Resolution OFF

Super Resolution ON

\* Images shown are superimposed graphics.



## Lens Shift Function

An optical correction function maintains clear resolution during adjustment of the projection position ( $\pm 60\%$  up or down,  $\pm 25\%$  left or right).

## High Brightness & Long Life

Solid state illumination achieves 5000 lumens high-brightness projection. Its long life of approximately 20,000 hours contributes significantly to reducing operating costs over time.

## HDBaseT Compatibility

Long-distance transmission of HDMI signals by LAN cable is enabled.



Frequent Usage Environments

**BUSINESS** - Large Conference Rooms/Exhibitions  
**EDUCATION** - Auditoriums/Halls  
**SHOPS & STORES** - Signage  
**PUBLIC VENUES** - Information Communications

## INTERFACES



- ① LAN terminal
- ② Remote controller terminal
- ③ Trigger terminal
- ④ HDBaseT terminal
- ⑤ Monitor output terminal
- ⑥ Computer terminal
- ⑦ HDMI terminal 1 (HDCP2.2)
- ⑧ HDMI terminal 2
- ⑨ Audio output terminal
- ⑩ USB terminal (MiniB)\*
- ⑪ USB terminal (Type-A)
- ⑫ Control terminal (RS-232C)

\* For service

- PC connection: [Image]⑤ / [Image + Audio]④ ⑦ ⑧
- Video device connection: [Image + Audio]④ ⑦ ⑧
- External speaker connection: ⑨
- USB power supply: ⑩
- PC monitor connection: [Image]⑤
- PC remote control: ① ⑫
- Remote control: ②
- 12V Trigger: ③

## SPECIFICATIONS

Model	XJ-L8300HN	
Brightness *1	5000 lumens	
Display system	DLP® chip x1, DLP® system	
Display chip	Chip size	0.66 inches (aspect ratio 16:9)
	Display resolution	8,294,400 pixels
Contrast ratio	20000 : 1	
Lens shift	V: $\pm 60\%$ / H: $\pm 25\%$	
Focus type	Manual focus	
Projection lens	1.5X manual zoom	
Light source (estimated life) *2	All laser (up to 20,000 hours)	
Color reproduction	Full color (up to 1.07 billion colors)	
Scanning frequencies	Horizontal	15-102kHz
	Vertical	24-120Hz
Input signal resolution	RGB signal	Maximum: 1920 x 1200 (WUXGA)
	Component signal	480i-1080p
	HDMI signal	Maximum: 4K UHD (3840 x 2160)
	HDBaseT signal	Maximum: 4K UHD (3840 x 2160)
	Computer (RGB) Input	Mini D-Sub 15 pin x1
	Monitor out terminal	Mini D-Sub 15 pin x1
	USB power supply	5V/2A USB Type-A x1 (dedicated power supply terminal)
	USB function	USB 1.1 mini-B x1 *3
Terminals	Digital input terminal (HDMI)	HDMI Type A x2 (HDCP2.2, HDCP1.3)
	Digital input terminal (HDBaseT)	RJ-45 x1 (HDBaseT terminal)
	Component Video Input	Shared with computer (RGB) input terminal
	Audio output	3.5mm stereo mini jack x1 (variable audio output)
	Control (serial)	RS-232C (D-Sub 9 pin) x1
	LAN	RJ-45 x1
	Wired remote	3.5mm stereo mini jack x1
	DC 12V trigger output	3.5mm stereo mini jack x1
Power requirements	AC 100V to 240V, 50/60Hz	
Approximate dimensions (W x H x D) *including projections	471 x 206 x 565 mm	
Approximate weight	Max. 19.8kg	
Security compatibility	Power on Lock	
Included accessories *4	Remote Control, Power Cord (3.0m), Warranty Card, Safety Precautions	

\*1 When in the brightest mode.

\*2 Lifetime not guaranteed.

\*3 For Service.

\*4 User's manual available for downloading on CASIO website.

\* Images shown are superimposed graphics.

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