4,500 ANSI Lumens WUXGA Ultra Short Throw Laser Installation Projector

ViewSonic®
See the difference™

LS831WU

- 0.25 ultra short throw for space saving installation
- 2nd generation Laser Phosphor technology with 20,000 hours lifespan
- 4,500 ANSI Lumens offering bright images in any environment
- Larger screen size with lower cost-per-inch
- Cost-effective built-in HDBaseT receiver
- Creativity realized by 360° projection

ViewSonic's LS831WU is an advanced 4,500 ANSI Lumens WUXGA ultra short throw installation projector perfect for public and commercial display applications. With a 0.25 throw ratio, users can easily get 100" screen from only 21 cm away. Screen size can further be expanded to up to 150" at a lower cost-per-inch compared to commercial displays. Adopting the 2nd generation laser phosphor technology, it offers consistent high brightness for a reliable 20,000 hours lifespan. Built-in HDBaseT receiver and 360° projection capability together ensure the ease of use desired. The embedded 20W cube speakers offer powerful audio right out of the box with three fine-tuned audio modes suitable for different application scenarios.

Maximum Space Saving

The 0.25 ultra-short throw lens allows for projecting a 100" image from only 21 cm away. Save
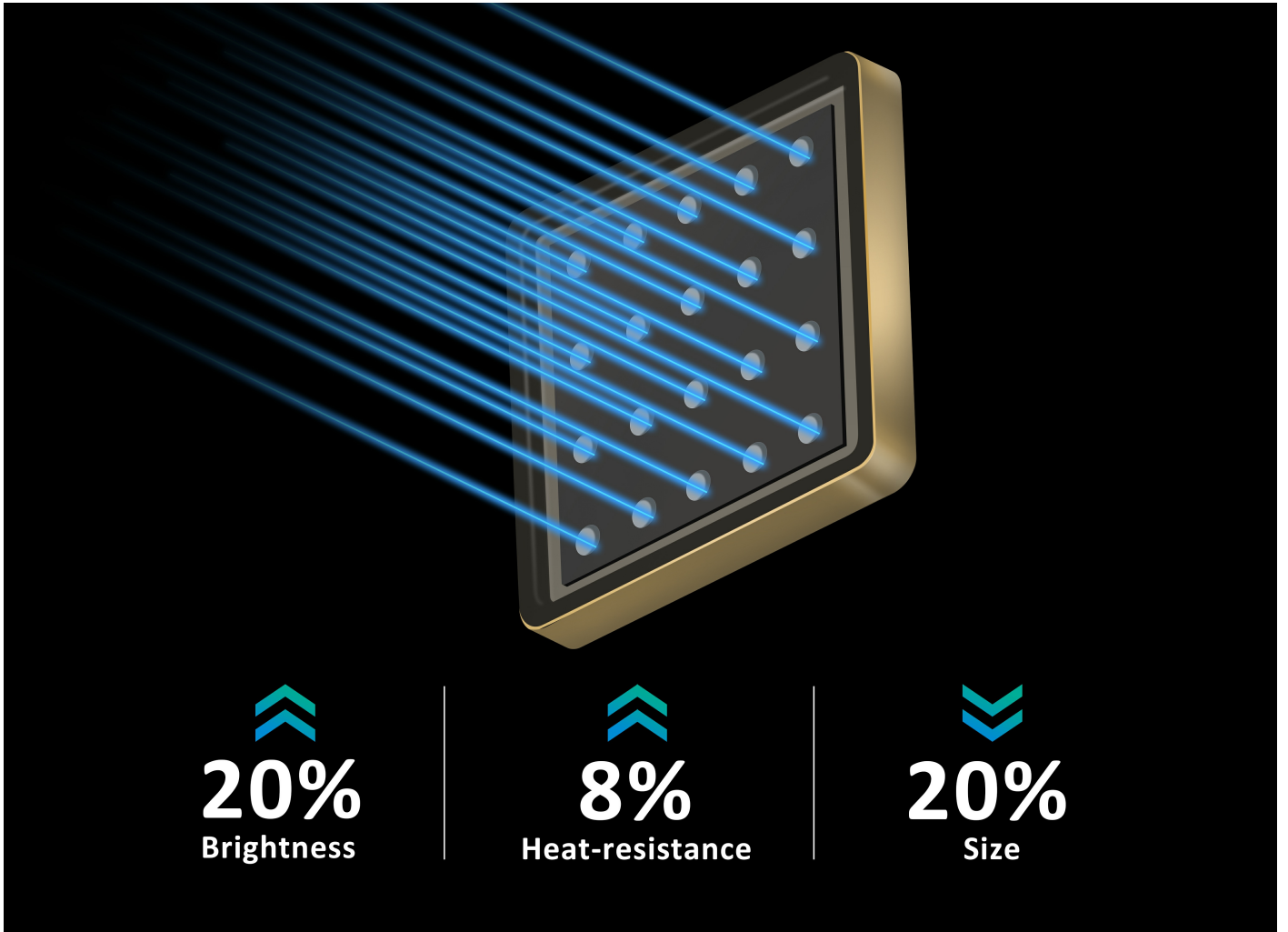
your space!
0.25 Ultra-short Throw

Upgraded Performance

Thanks to 2nd generation Laser Phosphor technology, it improves brightness (by 20%), heat-resistance and reduces the product size in addition to excellent color performance, lamp-free design and instant on/off switch.
Brighter, Smaller, Safer

20% Brightness

8% Heat-resistance

20% Size

Reliable Long-term Performance

The laser technology offers a maintenance-free lifespan up to 20,000 hours (4 hours per day for more than 13 years). And the cooling design enables 24/7 operation without degradation of quality or performance.

Hours

20,000

4 Hours per Day
More than 13 Years

Bright Images for Public/Commercial Display

Packed with 4,500 ANSI Lumens and 3,000,000:1 contrast ratio, this projector can deliver bright and razor-sharp images in open spaces with high ambient light.
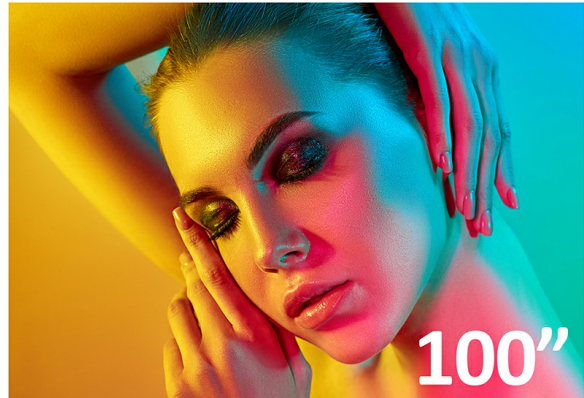
Larger Screen Size with Lower Cost-per-inch

Flexible installation and effortless transportation of the projector to show a 100'' screen in comparison to 4-way split images on 4 commercial displays that requires more manpower and money.

Commercial Display

LS831WU

Cost-effectively Receive AV Signal over Long Distance

With an integrated HDBT receiver, this projector can receive uncompressed HD video and audio over long distances (100 m for 1080p) via a Cat.5e/6 single network cable.

Video   Audio

360° Creative Applications

The projector can freely rotate at any angle vertically to aid with creative applications, allowing projection onto ceilings, walls, or angled signage.
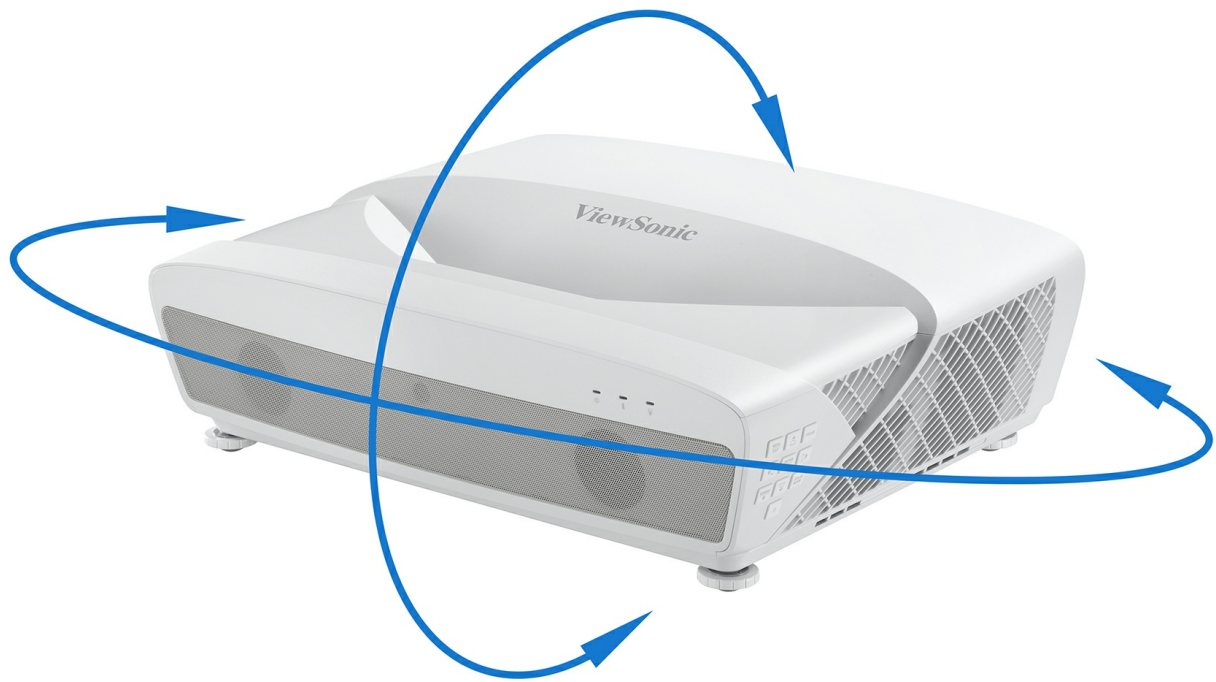
Easy Image Adjustment

Horizontal and Vertical Keystone correction along with 4 corner adjustment features eliminate crooked or distorted images for a perfectly proportioned picture every time.

4 Corner
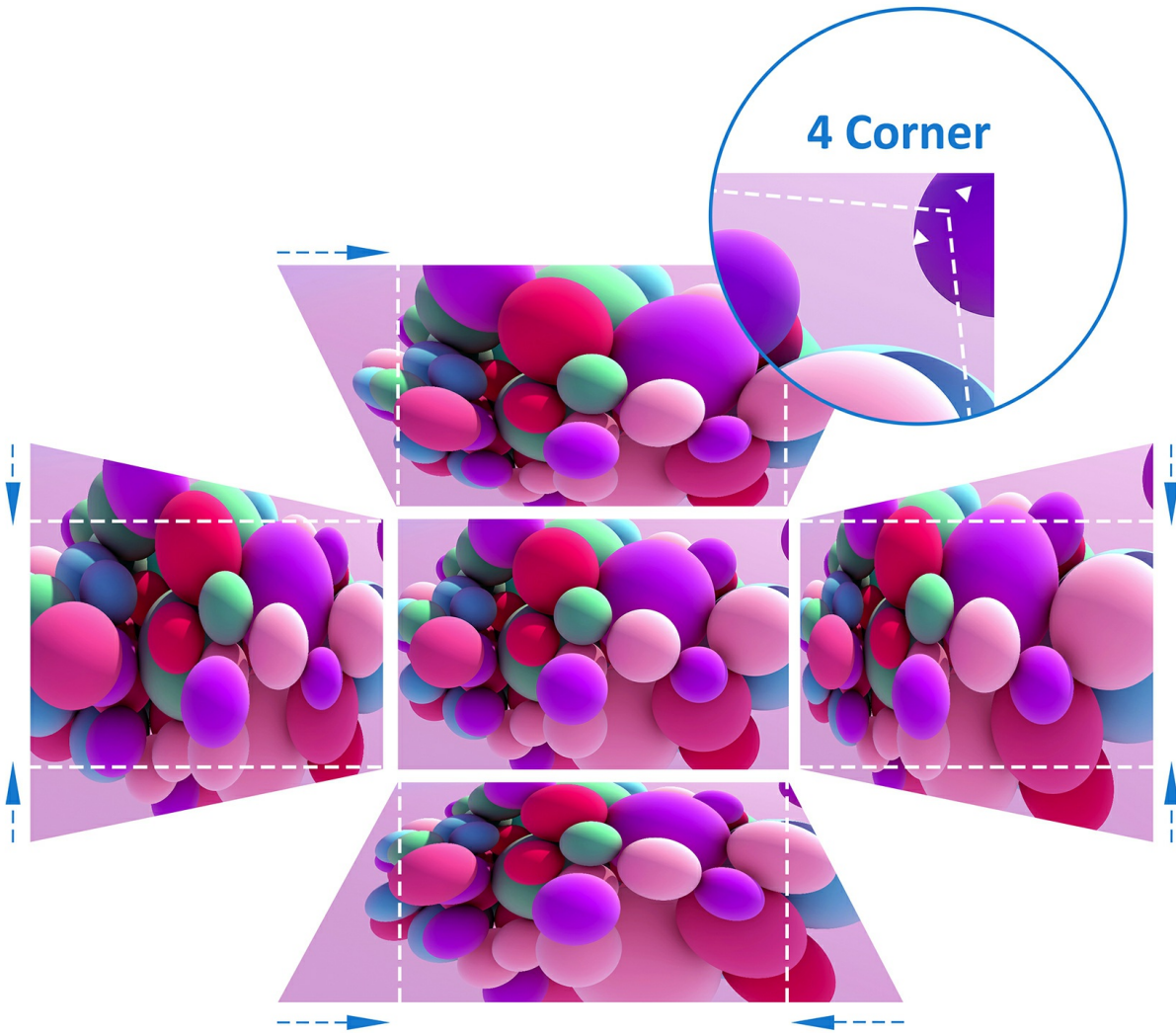
Remote Control of Motorized Focus

Make your images sharp and clear effortlessly with the motorized focus triggered by commands on the remote control. Free from manual adjustment that requires approaching the ceiling-mounted projector and may disturb the original projection setting.

Centralized Control for Management Efficiency

This projector comes equipped with Control 4, Crestron, AMX, Extron and ViewSonic vController, an easy-to-use network management tool.

The Control 4 driver will be built into the device in advance and get certification once it has finished the verification process.
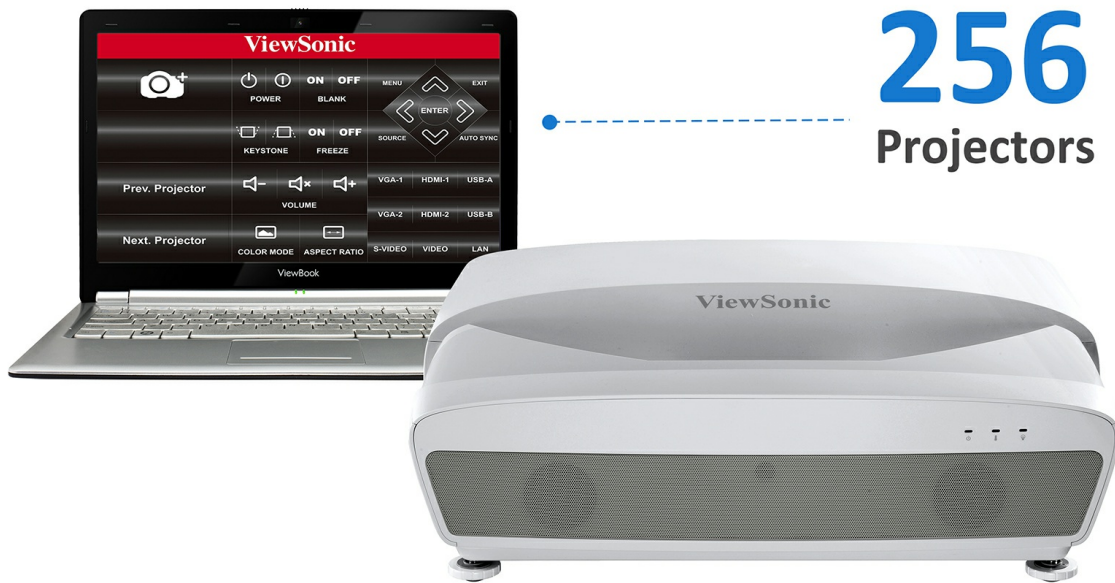
256
Projectors

A Simpler Way to Update Projector Software

ViewSonic Projector Software Update is available online and enables you to keep your projector firmware up to date easily and conveniently with your laptop and USB cable connection; no need to take your projector into a service center for software updates.

The latest projector software update can be found in the download section at the bottom of the page when available.

Powerful Audio with 3 Modes

Three audio modes (speech, music, and movie) powered by 20W cube speakers and DSP chip to deliver the fine-tuned sound performance suitable for different scenarios.

Speech Mode   Music Mode   Movie Mode

SuperColor™ Accuracy

ViewSonic's proprietary SuperColor™ Technology displays a wide color range, ensuring that users enjoy a true-to-life color performance in both bright and dark environments without sacrificing image quality.
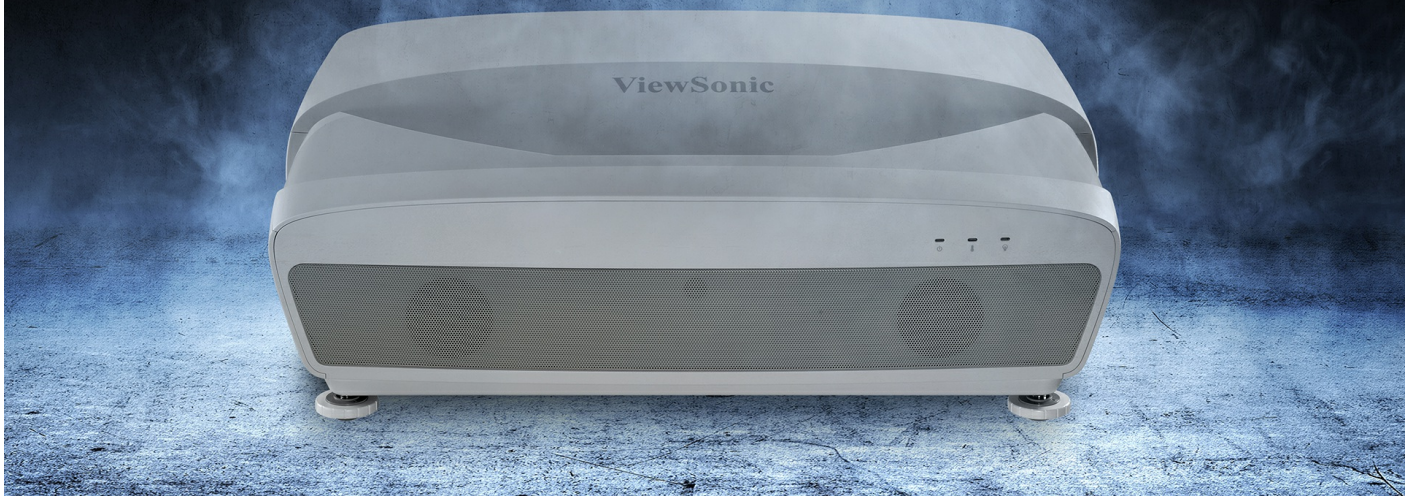

Normal | SuperColor™ Technology

Advanced Sealing with IP5X Certification

The sealed optical engine prevents dust and moisture from entering the projector and affecting the thermal system to ensure that the image quality and long lifespan are maintained.

Vivid and Immersive Display with BrilliantColorPanel™

Engineered with innovative panel technology, the ridged surface of optional BrilliantColorPanel™ is designed to deflect 90% of ambient light, and keeps the true color displayed on the screen unaffected. Meanwhile, it achieves a contrast ratio 4-times higher than that of an average projector screen and helps to eliminate washed-out images.

Common Projector Screen

ViewSonic BrilliantColorPanel™

Exterior & Rear I/O Connectors

492 mm

387 mm

157 mm

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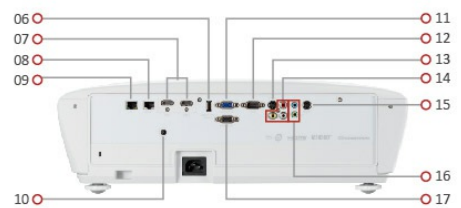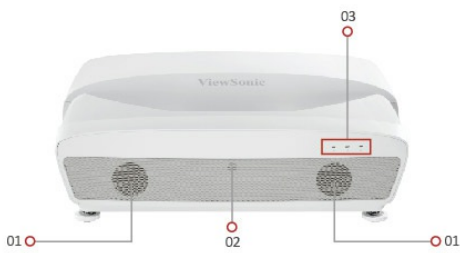
1. Speaker Area
2. Front IR
3. LED Indicator
4. Keypad
5. Adjustment Foot
6. USB Type A(5V/1.5A)
7. HDMI x 2
8. HDBaseT
9. LAN
10. 12V Out
11. Computer In

12. RS-232
13. S-Video
14. Composite
15. 3D VESA
16. Audio In & Out
17. Monitor Out

Technical Specifications

Specification	**Projection System**	0.48" WUXGA
	Native Resolution	1920x1200
	DMD Type	DC3
	Brightness	4500 ANSI Lumens
	Contrast Ratio	3000000:1
	Display Color	1.07 Billion Colors
	Light Source Type	Laser Phosphor system
	Light Source Life (Normal)	up to 20000
	Lamp Watt	Nichia 67W x2
	Lens	F=2, f=2.44mm
	Projection Offset	140%±6%
	Throw Ratio	0.252
	Optical Zoom	Fixed
	Digital Zoom	0.8x-2.0x
	Image Size	70"~200"
	Throw Distance	0.06-0.72m, (100"@0.21m)
	Keystone	H:+/-5° , V:+/-5°
	Audible Noise (Normal)	34dB
	Audible Noise (Eco)	29dB
	Input Lag	16ms
	Resolution Support	VGA(640 x 480) to 4K(3840 x 2160)
	HDTV Compatibility	480i, 480p, 576i, 576p, 720p, 1080i, 1080p
	Video Compatibility	NTSC, PAL, SECAM
	Horizontal Frequency	15K~102KHz
	Vertical Scan Rate	23~120Hz
Input	**Computer in (share with component)**	1
	Composite	1
	S-Video	1
	HDMI	2 , (HDMI 2.0 (HDCP 2.2)
	Audio-in (3.5mm)	1
	Audio-in (RCA R/L)	1
	3D VESA (Sync)	1
	HDBaseT	1
	RJ45 Input	1, (LAN control)
Output	**Monitor out**	1
	Audio out (3.5mm)	1

	Speaker	10W Cube x 2
	USB Type A (Power)	1 (5V/ 1.5A), (share with service)
	12V Trigger (3.5mm)	1 (3.5mm)
Control	**RS232 (DB 9-pin male)**	1
	RJ45	1
Others	**Power Supply Voltage**	100-240V+/- 10%, 50/60Hz , (AC in)
	Power Consumption	Normal: 504W, Standby: <0.5W
	Operating Temperature	0~40℃
	Net Weight	9.9kg
	Dimensions (WxDxH) with Adjustment Foot	492x387x157mm
	OSD Language	English, French, Spanish, Thai, Korean, German, Italian, Russian, Swedish, Dutch, Polish, Czech, T-Chinese, S-Chinese, Japanese, Turkish, Portuguese, Finnish, Indonesian, India, Arabic, Vietnamese, Greek, (23 languages)
Standard Accessory	**Power Cord**	1
	VGA Cable	1
	Remote Control	1, (with laser pointer)
	QSG	1