

# SHARP

## A Series

Professional Installation Projectors ideal  
for corporate, higher education and  
museum applications

A155U/A175U



**4K** UHD  
READY

*laser*  
light source

# LCD laser installation projectors deliver extreme brightness and crystal-clear visuals that keep audiences engaged in conference rooms, auditoriums and sanctuaries

## Why It Works for You

- Multi-screen wow factor - Seamlessly support Picture-by-Picture or Picture-in-Picture, and use TileMatrix to power 4Kx2K resolution across four projectors - no extra hardware needed.
- Effortless scalability - Built-in daisy chain and edge-blending let you expand visuals and merge multiple images into one seamless experience.



## Next-level Integration

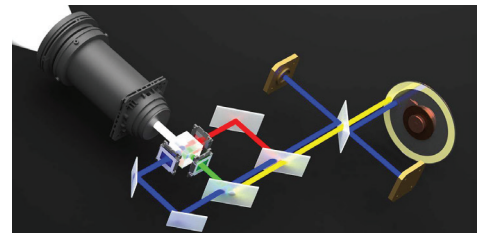
- 4K clarity that stands out - Sharp's proprietary video processing chip ensures stunning 4K 60P content with no detail lost.
- Total control, zero hassle - Preloaded with AMX Beacon, Crestron Roomview, Extron XTP, and PJ Link for smooth system integration. Plus, native support for competitor control codes reduces reprogramming costs.

## Flexible Installations

- Fits any space - Motorized bayonet lenses make swaps fast, with throw distances from 4.25 to 141 ft.
- Install it your way - Roll-free and portrait-capable design adapts to almost any environment.

## Laser Power

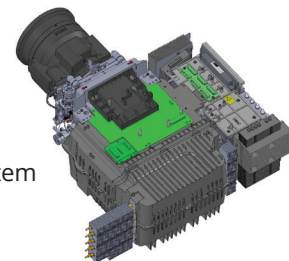
- Instant on - No wait time, images appear immediately after startup.
- Best-in-class balance - Dual blue lasers deliver consistent color and white balance throughout the projector's life.
- Built to last - Inorganic optical components extend reliability and peace of mind.



## Virtually Maintenance-Free

- Filter free design.
- IP5X certified Sealed LCD cooling system prevents dust from reaching the optics and eliminates the need for a filter.
- Peace of mind - No dust artifacts, no image degradation, just long-lasting performance.

Sealed LCD  
Cooling System



**IP5X  
RATED**  
OPTICAL BLOCK

## NaViSet Administrator

This software is an all-in-one remote support solution that runs from a central location and provides monitoring, asset management and control functionality for a majority of Sharp display devices. It is ideal for multi-device installations over larger infrastructures.



## Seamless Big-Screen Impact

Edge blending merges multiple projections into one flawless, high-resolution image - no seams, just a smooth, cinematic display.



## ProAssist™ Total Control, Simplified

Manage multiple projectors with ease using ProAssist™ software.

Fine-tune every detail - from input switching and lens adjustments to edge blending, uniformity, and gamma - all from a simple, intuitive interface.

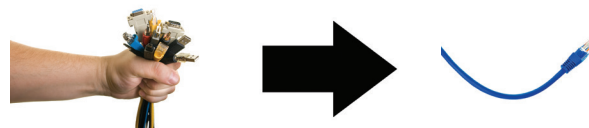
**ProAssist™**



## Built-In HDBaseT: One Cable, Total Simplicity

Streamline installs with a single cable (up to 100m) carrying uncompressed Full HD video, audio, Ethernet, and control signals.

Cut costs, reduce clutter, and enjoy stunning visuals without extra hardware or complex wiring.



## Stay Connected, Stay Flexible

Multiple digital inputs for fast, seamless switching between presentations.

Three audio inputs (HDMI1, HDMI2, and HDBaseT) let you easily add sound for a more engaging experience.

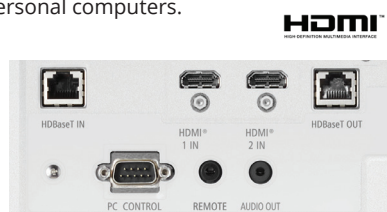
## Remote control

Wired and wireless backlit remote allows you to adjust for complete control of the projector's menu structure in a well lit or dark environment. Direct controls such as lamp mode, aspect ratio, volume and input selection eliminates multiple button pushes.



## Digital Inputs

Among the A Series' wide selection of inputs are dual HDMI w/HDCP and HDBaseT w/HDCP for connecting to high-definition sources such as Blu-ray players, cable boxes, satellite receivers and personal computers.



## Cable Cover

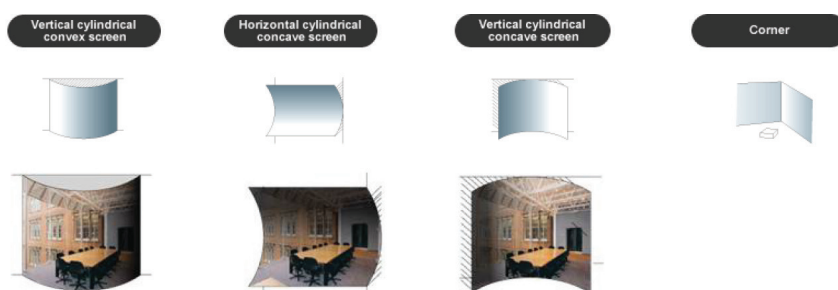
This optional accessory creates a clean look for your installation, while hiding signal cables and the power cord.



## Advanced Software Features

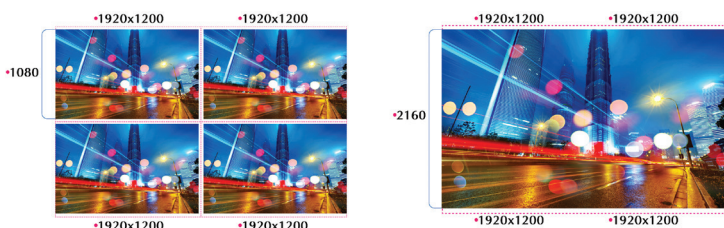
### Geometric Correction

Projecting an image isn't confined to a standard flat screen or wall with the A Series. Geometric correction allows these models to project an image on spheres, cylinders, corner angles and many more non-standard surfaces.



### Screen Splitter

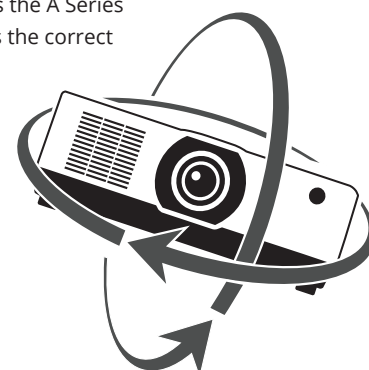
Sharp is committed to bringing the latest and greatest innovation to projectors. Multi-display capabilities and TileMatrix technologies are integrated into the new A Series projectors. This processing is all done internally and therefore eliminates the additional hardware typically required to produce a beautiful 4K resolution image.



Screen Splitter (Multi Display) by Daisy Chain

### Roll Free

When installation requirements dictate the projector needs to be placed at different angles the A Series with Roll Free capabilities assures it is the correct projector of choice.



## Unique Features That Save You Time & Money

**Filter-free peace of mind** – IP5x sealed LCD cooling system eliminates filters, cutting maintenance and lowering total cost of ownership.

**Simplified connectivity** – HDBaseT in/out lets you pass video, audio, and control between projectors with ease.

**Seamless integration** – Built-in competitor command support reduces reprogramming needs and speeds up installation.

## Warranty

Registered owners receive a five (5) years or 20,000 hours (whichever comes first) parts and labor warranty including InstaCare next business day exchange.

## In the Box

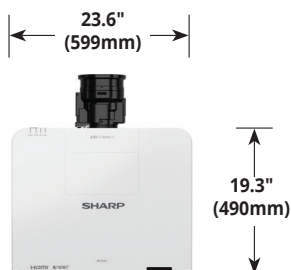
Remote control, batteries, power cord, quick start guide, product registration card.

## Accessories

|                         |                                                      |
|-------------------------|------------------------------------------------------|
| RMT-PJ40                | Replacement Remote Control                           |
| Optional Lenses         | XP-51ZL, XP-52ZL, XP-53ZL, XP-54ZL, XP-55ZL, XP-56ZL |
| Optional Terminal Cover | XP-13CV-B, XP-13CV-W                                 |
| IPJ2000CM               | Ceiling Mount                                        |

## Ordering Model Numbers

|            |            |
|------------|------------|
| XP-A155U-B | XP-A175U-B |
| XP-A155U-W | XP-A175U-W |



|                                  |                                                  |                                                                                                       | XP-A155U                                                 | XP-A175U                   |
|----------------------------------|--------------------------------------------------|-------------------------------------------------------------------------------------------------------|----------------------------------------------------------|----------------------------|
| Display Technology               |                                                  |                                                                                                       | 1.0" LCD                                                 |                            |
| Brightness (typical)             |                                                  |                                                                                                       | 14,000 Lumens                                            | 16,000 Lumens              |
| Brightness (maximum)             |                                                  |                                                                                                       | 15,000 Center Lumens                                     | 17,000 Center Lumens       |
| Resolution                       | Screen Maximum                                   | WUXGA 1920x1200<br>4K 4096 x 2160                                                                     |                                                          |                            |
| Aspect Ratio                     |                                                  |                                                                                                       | 16:10 (Supports 4:3, 16:9, 21:9)                         |                            |
| Contrast Ratio (up to)           |                                                  |                                                                                                       | 3,000,000:1 (with Dynamic Contrast)                      |                            |
| Laser Life (up to)               |                                                  |                                                                                                       | 20,000 hours                                             |                            |
| Screen Size (diagonal)           |                                                  |                                                                                                       | 60 to 500 in./ 1.5 to 12.7m                              |                            |
| Projection Distance              |                                                  |                                                                                                       | 2.17 to 261.9 ft. / 0.67 to 79.8m                        |                            |
| Projection Angle                 |                                                  |                                                                                                       | 3.1 to 28.2° tele / 5.7 to 31.5° wide                    |                            |
| Lens                             | Throw Ratio                                      | XP-51ZL                                                                                               | 0.53 - 0.65:1                                            |                            |
|                                  |                                                  | XP-52ZL                                                                                               | 0.65 - 0.87:1                                            |                            |
|                                  |                                                  | XP-53ZL                                                                                               | 0.86 - 1.25:1                                            |                            |
|                                  |                                                  | XP-54ZL                                                                                               | 1.24 - 2.01:1                                            |                            |
|                                  |                                                  | XP-55ZL                                                                                               | 1.98 - 3.95:1                                            |                            |
|                                  |                                                  | XP-56ZL                                                                                               | 3.95 - 7.51:1                                            |                            |
|                                  | Zoom                                             | Motorized                                                                                             |                                                          |                            |
|                                  |                                                  |                                                                                                       |                                                          |                            |
|                                  | Zoom Ratio                                       | XP-51ZL                                                                                               | 1.23x                                                    |                            |
|                                  |                                                  | XP-52ZL                                                                                               | 1.34x                                                    |                            |
|                                  |                                                  | XP-53ZL                                                                                               | 1.45x                                                    |                            |
|                                  |                                                  | XP-54ZL                                                                                               | 1.62x                                                    |                            |
|                                  |                                                  | XP-55ZL                                                                                               | 1.99x                                                    |                            |
|                                  |                                                  | XP-56ZL                                                                                               | 1.91x                                                    |                            |
|                                  | Focus                                            | Motorized                                                                                             |                                                          |                            |
|                                  |                                                  |                                                                                                       |                                                          |                            |
|                                  |                                                  | XP-51ZL                                                                                               | F=185 to 2.2, f= 12.0 - 14.8mm, 5.5 lbs. / 5.6 kg        |                            |
|                                  |                                                  | XP-52ZL                                                                                               | F=1.84 to 2.25, f= 14.4 - 19.3mm, 3.5lbs. / 5.5 kg       |                            |
|                                  |                                                  | XP-53ZL                                                                                               | F=1.8 to 2.24, f= 19.0 - 27.6mm, 3.7 lbs. / 5.3 kg       |                            |
|                                  |                                                  | XP-54ZL                                                                                               | F=1.8 to 2.24, f= 27.7 - 44.9mm, 3.7 lbs. / 4.5 kg       |                            |
| F-number, focal length, Weight   | XP-55ZL                                          | F=1.84 to 2.58, f= 43.8 - 87.2mm, 3.7 lbs. / 5.4 kg                                                   |                                                          |                            |
|                                  | XP-56ZL                                          | F=2.0 to 2.5, f= 49.7 to 99.8mm, 3.7 lbs. / 1.7 kg                                                    |                                                          |                            |
|                                  |                                                  |                                                                                                       |                                                          |                            |
|                                  |                                                  |                                                                                                       |                                                          |                            |
| Shift                            | +/-50% Vertical, +/-20% Horizontal               |                                                                                                       |                                                          |                            |
| Shutter                          | Laser Shutter                                    |                                                                                                       |                                                          |                            |
| Keystone Correction              |                                                  |                                                                                                       | +/- 40° horizontal, +/-30° vertical                      |                            |
| Synchronization Range            | Horizontal                                       | 24-153kHz                                                                                             |                                                          |                            |
|                                  | Vertical                                         | 50-120Hz                                                                                              |                                                          |                            |
| Supported Video Standards        |                                                  |                                                                                                       | NTSC, NTSC4.43, PAL, PAL-60, PAL-M, PAL-N, SECAM         |                            |
| SD/HD Video Signal Compatibility |                                                  |                                                                                                       | 480i, 480p, 576i, 576p, 720p, 1080i, 1080p, 4K           |                            |
| PC Signal Compatibility          |                                                  |                                                                                                       | VGA, SVGA, XGA, SXGA, SXGA+, UXGA, WUXGA, Quad HD        |                            |
| Macintosh Compatibility          |                                                  |                                                                                                       | Yes                                                      |                            |
| Input Terminals                  | RGB1 (digital)                                   | HDMI (V2.0) w/HDCP (V1.4/2.2)                                                                         |                                                          |                            |
|                                  | RGB2 (digital)                                   | HDMI (V2.0) w/HDCP (V1.4/2.2)                                                                         |                                                          |                            |
|                                  | RGB3 (digital)                                   | HDBaseT w/HDCP (V1.4/2.2)                                                                             |                                                          |                            |
|                                  | RGB4 (digital)                                   | 3G SDI (SMPTE ST 424M / SMPTE 292M)                                                                   |                                                          |                            |
| Output Terminals                 | Monitor Out                                      | HDBaseT Repeater                                                                                      |                                                          |                            |
|                                  | Audio Out                                        | Stereo Mini Jack                                                                                      |                                                          |                            |
| External Control                 |                                                  |                                                                                                       | 9-Pin D-Sub, Wired Remote, HDBaseT, RJ-45, USB (USB 2.0) |                            |
| Sync Compatibility               |                                                  |                                                                                                       | Separate Sync / Composite Sync / Sync on G               |                            |
| Power Requirements               |                                                  |                                                                                                       | 100-240V AC, 50/60 Hz                                    |                            |
| Input Current                    |                                                  |                                                                                                       | 11.6A - 5.1A                                             | 12.8A - 5.6A               |
| Power Consumption                | (ECO off/ECO Mode/ Standby/Standby-Power Saving) |                                                                                                       | 960W / 855W / 0.4W / 0.3W                                | 1035W / 855W / 0.4W / 0.3W |
| Installation Orientation         |                                                  |                                                                                                       | Floor/Front, Floor/Rear, Ceiling/Front, Ceiling/Rear     |                            |
| Product Dimensions (WxDxH)       |                                                  |                                                                                                       | 23.6 x 9.4 x 19.3 in. / 599 x 238 x 490 mm               |                            |
| Net Weight                       |                                                  |                                                                                                       | 63.3 lbs. / 28.7 kg                                      |                            |
| Shipping Dimensions (WxDxH)      |                                                  |                                                                                                       | 78.3 lbs. / 35.5 kg                                      |                            |
| Gross Weight                     |                                                  |                                                                                                       | 29.1 x 15.0 x 24.8 in. / 735 x 382 x 629 mm              |                            |
| Fan Noise                        |                                                  |                                                                                                       | 38 dB normal / 35 dB eco                                 | 42 dB normal / 37 dB eco   |
| Regulations                      | US                                               | USA UL60950-1: 2005+A1: 2009+A2: 2013, IEC 60825-1:2014 (Ed.3), FCC Part15 Subpart B(ANSI C63.4.2014) |                                                          |                            |
|                                  | Canada                                           | CAN/CSA C22.2 No.62368-1-18,3rd Edition, ICES-003 Issue 7(ANSI C63.4-2014)                            |                                                          |                            |
| Operating                        | Altitude                                         | 0 to 3650 m (12,000 ft)                                                                               |                                                          |                            |
|                                  | Temperature                                      | 41-104°F / 5-40°C                                                                                     |                                                          |                            |
| Storage                          | Humidity                                         | 20 to 85% Humidity (Non-Condensing)                                                                   |                                                          |                            |
|                                  | Altitude                                         | 0-12,000m / 0-39,370ft (above sea level)                                                              |                                                          |                            |
|                                  | Temperature                                      | 14-122°F / -10-50°C                                                                                   |                                                          |                            |
|                                  | Humidity                                         | 20% - 80% (non-condensing)                                                                            |                                                          |                            |

\* Lens does not ship with the projector.  
Additional accessories are available, including screens, carts, mount accessories and replacement cables.  
Visit <https://business.sharpusa.com> for details.



# SHARP

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