

INTRODUCING LTX 1080p LCOS FRONT PROJECTORS

A full HD 1920 x 1080 'Reference' point of view ... brings the scale and excitement of the Cinema experience home

A N T H E M®

**Full HD
1080P**

LTX 500 Projector:

- Native 50,000:1 Contrast Ratio ... highest available!
- THX® certified
- Pre-calibrated THX Movie Mode settings optimized for DVD, Blu-ray and Broadcast

LTX 300 Projector:

- Native 30,000:1 Contrast Ratio



Shown: LTX 500

Team an Anthem Projector with an Anthem A/V Processor for a simply unmatched, as well as amazingly affordable, state-of-the-art cinema-like experience in your home.

Anthem: The #1 Brand overall*

“WARNING: Anthem gear may be addictive.”

— Eric Hetherington, *GoodSound!*

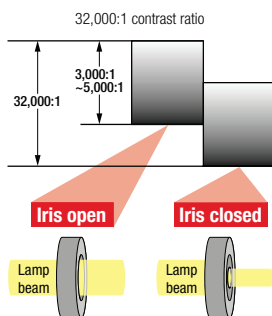
The highest standard in color accuracy, image brightness and clarity! Both models feature:

- 2x High-Precision Zoom Lens with Motorized Focus and Auto Dust Cover
- Fully Digitally Driven 3-Panel 1920 x 1080p LCOS
- Superb Gray Scale Reproduction
- Exceptional Rendition of Color (LTX 500 interpolates colors individually by R,G,B,C,Y or M)
- Electronic Lens Shift
- Ultra-Wide True-Fit™ Screen Mode
- Efficient Ultra-Low-Noise Fan
- Dual 1080p HDMI v1.3 (Deep Color) Digital Inputs
- Two Trigger Functions (LTX 500 only): Screen or Motorized Anamorphic Lens (optional add-on)
- Auto-Illuminated Remote
- RS-232 Controllable
- Black Cabinet with non-reflective front panel

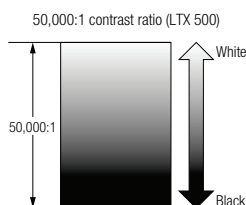
Full details follow ...

* Rated #1 Overall: 2009, 2008, 2007, 2006 — *Inside Track* Annual Dealer Survey. An annual independent nationwide survey of consumer electronics specialist retailers and custom installers.

Conventional projector with dynamic iris



LCOS Panel



Peak whites and deep blacks appear on the same picture field, without resorting to artificial means.

FULLY DIGITALLY DRIVEN 3-PANEL 1920 X 1080P LCOS

The Anthem LTX 500 boasts a Native Contrast Ratio of 50,000:1, the highest available. With a Native Contrast Ratio of 30,000:1, the Anthem LTX 300 is no slouch either when it comes to simultaneously displaying the complete range of image contrast.

Many manufacturers still employ the dynamic iris (*see left*) in projector design, artificially boosting peak values (resulting in lighter blacks) and darkening black levels (thereby darkening peak values). In LTX projectors, the fully digitally driven 3-panel LCOS (Liquid Crystal on Silicon) engine delivers peak whites and deep blacks on the same picture field, without resorting to artificial means. Contrast is sharper and more vivid and color reproduction is extremely natural.

Liquid Crystal on Silicon is a superb choice for home theater projectors because of its inherent ability to display smaller pixels in closer association, eliminating annoying visual artifacts like screen door effects. Unlike many projectors on the market, there is no color wheel or color dithering in Anthem projectors and no color rainbow effect, common on single-panel designs. Even on close ups, the picture is richer and smoother.

The LTX's LCOS engine also employs three individual 0.7-inch color light panels (Red, Green and Blue) to deliver color light to the screen simultaneously and flicker free.

Highly efficient lamps in LTX projectors — a brightness of 900 lumens in the LTX 500 and 1,000 lumens in the LTX 300 — offer the brightest, smoothest, highest-resolution picture available.



2X ZOOM ALL-GLASS LENS WITH MOTORIZED FOCUS AND AUTO DUST COVER

Suitable for 60" to 200" (diagonal) screen sizes.

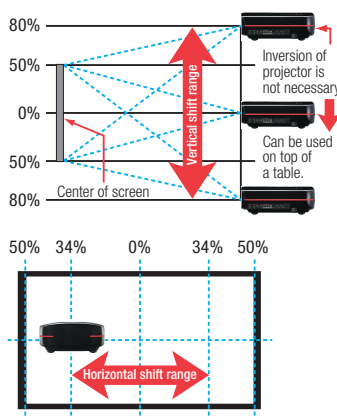
The 2x zoom lens with motorized focus (controlled from the remote) makes setup and adjustment easy and convenient.

The large-diameter high-precision glass lens system features 17 separate elements in 15 groups, including 2 extra-low dispersion (ED) lenses to project a full and extraordinarily deep HD image. The high-precision lens also helps minimize color error — no unwanted "fringes" of color or color bleeding are visible to mar the boundaries between dark and bright sections of the image. Finally ...

Multi-step fixed-aperture brightness controls (sixteen-step in the LTX 500 and three-step in the LTX 300) eliminate light leakage as well as allowing for brightness adjustment to match personal preferences or ambient light levels.

The motorized lens cover opens and closes with power ON/OFF, preventing dust and dirt from entering the lens. This is a particularly helpful feature if the projector is to be mounted to the ceiling.

Motorized lens cover



ELECTRONIC LENS SHIFT

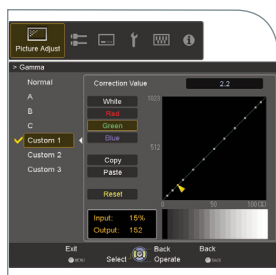
Anthem's LTX projectors are designed for easy installation. The motorized Lens Shift option (accessible using the remote) allows the user to move the lens horizontally or vertically within the projector housing to accommodate installation in even the most challenging situations.

The $\pm 80\%$ Vertical Shift option allows the projector to be mounted above the screen, without having to invert it (*see left*). The $\pm 34\%$ Horizontal Shift offers additional flexibility in a wide range of situations (*also see left*). And all of this shifting happens without a hint of image compression or image conversion to adversely affect edge pixels.

If the lens must be positioned outside the coverage area, a Digital Keystone feature, which offers a $\pm 30\%$ vertical and $\pm 40\%$ horizontal adjustment, removes distortion, helping to make the images appear more natural.

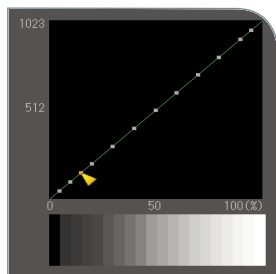
CUSTOMIZED ON-SCREEN GAMMA CONTROL

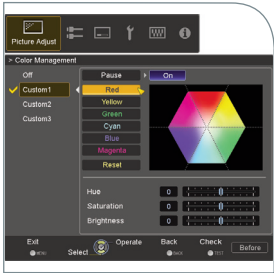
Adjust as you watch! Using the remote, the user is able to manually adjust the gamma curve to suit individual preferences or the room's ambient lighting using the on-screen display. Essentially altering luminance levels "on the fly", the user can increase the contrast or the brightness levels. Up to three settings can be adjusted and saved for future use.



SUPERB GRAY SCALE REPRODUCTION

To reproduce a more realistic image, gray scale can be adjusted manually and the changes observed immediately via the on-screen gamma curve graph. Dark areas can be raised and detail enhanced in bright white areas. Color reproduction can be easily adjusted to suit personal tastes since the three colors (R,G and B) can be individually adjusted using the on-screen display.





EXCEPTIONAL RENDITION OF COLOR

Color management in LTX projectors inserts colors individually in three separate axes of color phase, chroma saturation and brightness to ensure best possible color reproduction. The LTX 500 interpolates colors individually by R,G,B,C,Y or M. Custom color setup can be done via the on-screen menu with the ability to save up to three customized color settings for future use.



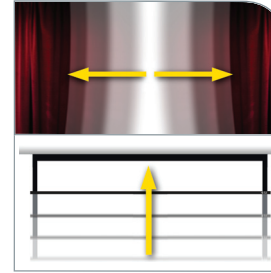
ILLUMINATED REMOTE CONTROL

All buttons on the remote light up when you push the light button, making it easy to operate in the room when the lights are turned off.



✓ TRUE-FIT™ WIDE SCREEN MODE

Wide "cinema style" image capability! Movies with a 2.4:1 aspect ratio can be seen in their gloriously full width (using all 1920 x 1080 pixels) and without letterbox bands or a compromise in image quality. The three LCOS panels ensure the expanded vertical image is perfectly adjusted for brightness and sharpness. The use of an optional anamorphic lens can stretch the image to fit its full extra-wide aspect ratio ... all the while preserving image integrity.



DUAL-FUNCTION 12-VOLT TRIGGER

Allows the user to move the projection screen up or down, or open and close curtains, while power to the projector unit is turned off. A secondary trigger function can be menu-activated to control an optional motorized anamorphic lens in concert with the True-Fit™ wide screen mode so that movies in a 2.4:1 aspect ratio can be seen in their gloriously full width. (Available on LTX 500 only.)



ULTRA-EFFICIENT FAN!

Operating in normal mode, the ultra-quiet 19 dB fan noise will register in the room as less than a soft whisper. Air inlet is at the front and exhaust vent at the side.



DUAL HDMI INTERFACES

Two 1080p HDMI v1.3 (Deep Color) digital interfaces; CEC (Consumer Electronics Control) compatible.



INSANELY FLEXIBLE INSTALLATION IN SO MANY WAYS ...

- All connections are on the side panel ... even if you can't position the projector on the ceiling, you can install it directly against the back wall without worrying about leaving room for plugs and wires.
- In addition to 2 HDMI inputs, inputs also include 1 S-Video, 1 Composite and 1 Component Y-Pb-Pr (RCA) Video.
- The LTX 500 with its customizable trigger system accommodates optional add-on motorized anamorphic lens systems to use the full resolution of the display for viewing 2.4:1 movies.



USER-REPLACEABLE LAMP

- Replacement is from the side ... quick and easy!
- Lamp-life cycle: 2,000 hours.
- Contact Anthem Customer Service to replace lamp.
- 1/2 price coupon for replacement lamp included.

Screen Size and Projection Distance

Determine the distance from the lens to the screen to achieve your desired screen size.

This unit uses a 2.0x power zoom lens for projection.

Relationship Between Projection Screen Size and Projection Distance

Projection Screen Size (Diagonal Length) Aspect Ratio 16:9	Approximate Projection Distance W (Wide) to T (Tele)
60" (Approx. 1.52m)	Approx. 1.78m to Approx. 3.66m
70" (Approx. 1.78m)	Approx. 2.09m to Approx. 4.28m
80" (Approx. 2.03m)	Approx. 2.40m to Approx. 4.89m
90" (Approx. 2.29m)	Approx. 2.70m to Approx. 5.51m
100" (Approx. 2.54m)	Approx. 3.01m to Approx. 6.13m
110" (Approx. 2.79m)	Approx. 3.31m to Approx. 6.75m
120" (Approx. 3.05m)	Approx. 3.62m to Approx. 7.36m
130" (Approx. 3.30m)	Approx. 3.92m to Approx. 7.98m
140" (Approx. 3.56m)	Approx. 4.23m to Approx. 8.60m
150" (Approx. 3.81m)	Approx. 4.53m to Approx. 9.22m
160" (Approx. 4.06m)	Approx. 4.84m to Approx. 9.84m
170" (Approx. 4.32m)	Approx. 5.14m to Approx. 10.45m
180" (Approx. 4.57m)	Approx. 5.45m to Approx. 11.07m
190" (Approx. 4.83m)	Approx. 5.75m to Approx. 11.68m
200" (Approx. 5.08m)	Approx. 6.06m to Approx. 12.30m

• The projection distances in the table are provided only as a guide. Use them as a reference during installation.

• To adjust the installation, use a projected image of aspect ratio 16:9.

TECHNICAL SPECIFICATIONS

LTX 300 | LTX 500 | (all models, unless otherwise specified)

IMAGE SPECIFICATIONS

Display Panel

Panel Size and Type	0.7 inch, LCOS
Aspect Ratio	16:9
Resolution	1920 x 1080

Zoom Ratio 1.4 – 2.8 (2x)

Light Output

LTX 300	1,000 lumens
LTX 500	900 lumens

Contrast Ratio

LTX 300	30,000:1
LTX 500	50,000:1

Projection

Screen Size	Approx. 60" – 200" diagonal (Aspect ratio 16:9)
Distance	Approx. 1.8 m – 12 m

PC Input Signal

Digital	VGA/SVGA/XGA/WXGA/WXGA+/SXGA/WSXGA+/WUXGA
Analog	VGA/SVGA/XGA/WXGA/WXGA+/SXGA/SXGA+/WSXGA+

INPUTS

HDMI 2x version 1.3

HDMI Input 480i/p, 576i/p, 720p, 1080i/p (24/50/60 Hz)

Component / RGB Yes

S-Video Yes

Composite Yes

Analog Video Input 480i/p, 576i/p, 720p, 1080i/p (50/60 Hz)

VIDEO

THX® Certified

LTX 300	No
LTX 500	Yes

Digital Keystone Correction Yes

FAN NOISE

Level (Normal Mode) 19 dB

CONTROLS

RS-232 Yes

Remote Control Yes – Backlit

12 V Trigger

LTX 300 No

LTX 500 Yes

OSD Language English, French, Spanish, German, Italian, Portuguese, Dutch, Swedish, Norwegian, Chinese, Japanese, Russian

LAMP

Type Ultra-High-Pressure Mercury

Power Consumption 200 W

Lifetime 2,000 – 2,500 hrs
(Contact Anthem Customer Service for replacement lamps)

OPERATING ENVIRONMENT

Temperature 5°C – 35°C

Humidity 20% – 80%, no condensation

Installation Height Below 1,524 m

Storage Temperature -10°C – 60°C

POWER REQUIREMENTS

Voltage 110 – 240 VAC (50/60 Hz)

Power Consumption 280 W (Standby Mode 1 W)

DIMENSIONS

Height 6-5/8 inches (16.7 cm)

Width 14-3/8 inches (36.5 cm)

Depth 18-7/8 inches (47.8 cm)

Weight (unpacked) 11 kg

ACCESSORIES

Remote Control Included

2 x 'AAA' batteries (for Remote) Included

Power Cord Included

