



XR-10X-L



XR-10S-L



XR-20S



XR-20X

### XR-10S-L AND XR-10X-L: NOW UTILIZING NEW REDUCED WATTAGE PROJECTION LAMP

#### SLEEK, COMPACT DLP® PROJECTORS

Designed to fit all of your challenging multimedia needs, the Sharp Notevision “Educator Series” projectors provide superior features, performance and reliability. Built to handle most any business, education or cinema projection requirements, they utilize the latest Texas Instruments® DDR DLP® display technology in combination with TrueVision™ technology (DDP2000) image processing. The Condenser Lens Optical System provides a remarkable 2000:1 contrast ratio, along with crisp, bright and detailed images from both computer and video sources.

Powerful standard features like short-throw zoom lens, HDTV compatibility, up to 3,000-hour lamp life\* and 3-year industry leading warranty (with two years of ER 24-hour turnaround Express Repair support) make these Notevision projectors perfect for every application.

To enhance color accuracy, the XR Educator Series incorporates a 3X speed, 4-segment color wheel. This color wheel ensures that all projected images are uniform and void of the rainbow effect common in other projectors.

#### Features:

**XR-10S-L and XR-10X-L:** Utilize new reduced wattage projection lamp for lower power consumption, fan noise and operating costs.

**Texas Instruments DDR DLP® Technology** in combination with TrueVision™ technology (DDP2000) advanced video circuitry for optimum performance and image quality.

**Short Throw Zoom Lens** project large images from a short throw distance.

**2000:1 Contrast Ratio** provides rich image clarity.

**On-Screen Setup Guide and “Help” Function** ensures easy setup and operation.

**DTV/HDTV Compatibility** both 4:3 and 16:9 for use with current and future video technologies.

**3X Speed, 4-Segment Enhanced White Color Wheel** with sRGB, color temperature adjustment and bright-boost ensures superior color quality and brightness in any environment.

**Extended Lamp Life**\*<sup>1</sup> up to 3000 hours in economy mode.

**Full Function Remote** with PC control (back/forward) and image freeze.

**Portable Size and Weight (8.6 lbs.)** make the design perfect for office, classroom and mobile (travel) use.

**Integrated Air Filter** for improved reliability (XR-10S-L and XR10X-L).

#### Screen Size and Projection Distance NORMAL Mode (4:3)

Picture (Screen) Size			Projection distance [L]		Distance from the lens center to the bottom of the image [H]
Diag. [X]	Width	Height	Minimum [L1]	Maximum [L2]	
300"	240"	180"	34' 3"	39' 8"	19 5/64"
200"	160"	120"	22' 10"	26' 5"	12 23/32"
150"	120"	90"	17' 2"	19' 10"	9 17/32"
100"	80"	60"	11' 5"	13' 3"	6 23/64"
84"	67"	50"	9' 7"	11' 1"	5 11/32"
72"	58"	43"	8' 3"	9' 6"	4 37/64"
60"	48"	36"	6' 10"	7' 11"	3 13/16"
40"	32"	24"	4' 7"	5' 3"	2 35/64"

**Note:** There may be a maximum error of ± 5.4% in the above values.

Model	Native Resolution	Brightness
XR-10S-L	SVGA	2000 ANSI lumens
XR-10X-L	XGA	2000 ANSI lumens
XR-20S	SVGA	2300 ANSI lumens
XR-20X	XGA	2300 ANSI lumens



# XR-10S-L, XR-20S, XR-10X-L, XR-20X

## Educator Series Multimedia Projectors

Model Number	XR-10S-L	XR-20S	XR-10X-L	XR-20X
<b>Brightness</b>	2000 ANSI Lumens; 1500 ANSI Lumens in "eco & quiet" mode	2300 ANSI Lumens; 2000 ANSI Lumens in "eco & quiet" mode	2000 ANSI Lumens; 1500 ANSI Lumens in "eco & quiet" mode	2300 ANSI Lumens; 2000 ANSI Lumens in "eco & quiet" mode
<b>Native Resolution / Resizing</b>	SVGA (800 x 600) native resolution up through SXGA+ (1400 x 1050) with Intelligent ImageACE resizing		XGA (1024 x 768) native resolution up through SXGA+ (1400 x 1050) with Intelligent ImageACE resizing	
<b>TV Lines</b>	520 TV Lines (DTV 720P input)		600 TV Lines (DTV 720P input)	
<b>Device Type / Screen Size (Min/Max)</b>	Single 0.55" DDR DLP® technology 12° with 3x speed, 4-segment color wheel / 40" (diagonal) up to 300" (diagonal)			
<b>Cabinet Color</b>	Silver	Silver	Titanium	Titanium and Gray
<b>H &amp; V Frequency / Dot Clock</b>	fH 15-70 kHz / fV 45-85 Hz / 12-108 MHz			
<b>Compatibility / LAN Connectivity</b>	PC, Mac®, Workstation / Utilize optional AN-LS1 ethernet to RS-232C interface			
<b>Video System / DTV - HDTV</b>	NTSC 3.58, 4.43 / PAL, 60, M, N/SECAM / Compatibility including 480i, 480P, 540P, 576i, 576P, 720P, 1035i, 1080i			
<b>Lens Type</b>	1:1.15X manual zoom and focus; F2.4-2.6, f = 19.0-21.9mm, throw ratio = 1.75-2.0			
<b>Optical System / Built-in Audio System</b>	Condenser Lens Optical System (provides higher image uniformity and contrast, without "ghosting") / 2.0 Wats monaural			
<b>IR Wireless Remote Control</b>	Yes - with on-screen break timer and image "freeze" function. Also includes forward/back presentation control when used with AN-MR2 remote IR receiver [38 kHz IR carrier frequency]			
<b>Lamp Module</b>	AN-XR10L2 or AN-XR10L2/1 (220 W DC, user replaceable)	AN-XR20LP or AN-XR20LP/1 (275 W DC, user replaceable)	AN-XR10L2 or AN-XR10L2/1 (220 W DC, user replaceable)	AN-XR20LP or AN-XR20LP/1 (275 W DC, user replaceable)
<b>Estimated Lamp Life<sup>1</sup></b>	2000 hours (standard mode); 3000 hours (low-power "eco & quiet" mode)			
<b>Fan Noise (std/eco) / Power Source</b>	33dB/29dB	33dB/30dB	33dB/29dB	33dB/30dB
<b>Power Source</b>	AC 100V-240V, 3.6A			
<b>Power Consumption (110V)</b> Bright lamp setting, high fan mode: Eco & quiet lamp setting, normal fan mode: Standby Mode:	298W 229W 4.7W	350W 305W 4W	298W 229W 4.7W	350W 305W 4W
<b>Heat Dissipation (110V)</b> Bright lamp setting, high fan mode: Eco & quiet lamp setting, normal fan mode:	1,120 BTU/hour 860 BTU/hour	1,315 BTU/hour 1,145 BTU/hour	1,120 BTU/hour 860 BTU/hour	1,315 BTU/hour 1,145 BTU/hour
<b>Safety Approval</b>	UL, FCC Class B			
<b>Operating / Storage Temperatures</b>	41° F to 95° F (+5° C to + 35° C) / -4° F to 140° F (-20° C to + 60° C)			
<b>Inputs/Outputs</b>	2 - RGB/component input (15-pin HD); 1 - composite video input (RCA pin type); 1 - S-video input (4-pin DIN); 1 - PC/component stereo audio input (3.5mm mini jack); 1 - video audio input (1-pair RCA pin-type); 1 - RGB loop-through output (15-pin HD); 1 - stereo "VAO" variable audio line output (3.5mm mini jack); 1 - RS-232C (9-pin mini DIN)			
<b>Included Accessories</b>	Wireless remote control; two AA batteries, 6' AC power cord; 10' RGB signal cable; attached lens cap; operation manual; CD-ROM manual; 10' component video cable 15-pin to 3 RCA (XR-10X-L only), integrated air filter (XR-10S-L, XR-10X-L)			
<b>Optional Accessories</b>	AN-XRCM30 Ceiling Mounting Bracket; AN-EP101B: Extension Tube for Ceiling Mount; AN-JT200: Angle-Mount joint for Ceiling Mount; AN-CMCS516: 16" security cable system for use with ceiling mount; AN-CMCS546: 46" security cable system for use with ceiling mount and extension tube; AN-C3CP2: Component Video cable (3-RCA to 15-pin D-sub, 10'); AN-A1RS: RS-232C adapter; AN-MR2 Remote IR Receiver (for forward/reverse presentation control); AN-C3BN 5-BNC to 15-pin D-sub cable (10'); AN-C500SB light-duty storage bag; AN-C600WCC hard-shell wheeled storage bag; AN-C600SC "ATA" storage case.			
<b>Limited Warranty<sup>2</sup></b>	3 years parts & labor including 2 years ER 24-hour turnaround Express Repair. 90 day warranty on user-replaceable projection lamp			
<b>Dimensions (w x h x d, in inches)</b>	12-13/32 x 4-19/64 x 11-1/32 (main body); 12-13/31 x 4-47/64 x 11-37/64 (includes projecting parts)			
<b>Weight (in pounds)</b>	8.6			
<b>UPC</b>	074000364523	074000364585	074000364530	074000364547

<sup>1</sup> Up to 3000 hours lamp life in low power ("eco & quiet") mode; up to 2000 hours lamp life in standard mode.

<sup>2</sup> See warranty statement included in the product operation manual PDF download at [www.sharpsusa.com](http://www.sharpsusa.com).

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