

ProScene ZU820TNL

High-Brightness Professional Laser Projector



The ProScene ZU820TNL WUXGA Laser Projector delivers 8,800 lumens of brilliant brightness with 4K and HDR compatibility — built for demanding environments that require reliable, around-the-clock performance. Its IP5X-certified, dust-resistant optical engine supports 24/7 operation and up to 30,000 hours of truly maintenance-free projection in Eco mode.



Designed for installation flexibility, the ZU820TNL features motorized zoom, focus, and full lens shift, along with built-in warping and edge-blending for seamless multi-projector setups. Dual 10W speakers are included for integrated audio without the need for additional equipment.

Paired with the recommended BX-CTA13 long throw lens*, this projector is an exceptional choice for House of Worship installations where image quality, color accuracy, and quiet operation are paramount.

*BX-CTA13 lens sold separately. Additional lens options; BX-CAA01, BX-CAA03, BX-CAA06, BX-CTA15, BX-CTA17.

Specification



Display

Display technology	DLP®
Resolution	WUXGA (1920x1200)
Brightness (ISO)	8,800 lumens
Brightness (ANSI)	7,400 lumens
Contrast ratio	3,000,000:1
Contrast ratio - full on/off	1,100:1
Native aspect ratio	16:10
Aspect ratio - compatible	4:3, 16:9, 16:10
Keystone correction - horizontal	30°
Keystone correction - vertical	30°
Uniformity	95%
Screen size (when paired with BX-CTA13 lens)	50" ~ 300" diagonal

Light source info

Light source type	DuraCore Laser
Laser life	30,000 hours

Optical

Throw ratio	Dependent on lens
Projection distance	Dependent on lens BX-CTA17: 0.65 ~ 0.75:1 BX-CTA15: 0.75 ~ 0.95:1 BX-CAA01: 0.95 ~ 1.22:1 BX-CAA06: 1.22 ~ 1.52:1 BX-CAA03: 1.52 ~ 2.92:1 BX-CTA13: 2.9 ~ 5.5:1
Optional lenses	
Zoom	Dependent on lens
Zoom type	Motorized
Focal length	Dependent on lens
Lens shift	Yes: Vertical & Horizontal Dependent on lens - see User Manual for details

Specification

Connectivity

Inputs	1 x HDBaseT, 2 x HDMI 2.0, 1 x VGA, 1 x 3D sync, 1 x Audio 3.5mm
Outputs	1 x HDMI 2.0, 1 x 3D sync, 1 x USB-A power 1.5A, 1 x Audio 3.5mm
Control	1 x 12V trigger, 1 x Wired remote, 1 x RJ45, 1 x RS232

General

Noise level (min)	27 dB
Noise level (max)	36 dB
Security	Security bar, Kensington Lock
OSD / display languages	9 languages: English, French, German, Italian, Portuguese, Russian, Chinese (simplified), Spanish, Chinese (traditional)
24/7 operation	Yes
360° operation	Yes
Remote control	Backlit ProAV remote
Speaker count	2
Watts per speaker	10W
3D	Full HD 3D
HDR	Yes
Edge Blending	Yes
Geometric Correction	Yes

Networking

LAN - control	Yes
LAN - wireless networking	No

Power

Power supply	90 ~ 264VAC 50/60 Hz
Power consumption (min)	260W
Power consumption (max)	598W

Weight and dimensions

Dimensions (W x D x H) without feet	19.13" x 14.8" x 6.93"
Dimensions (W x D x H) with feet	19.13" x 14.8" x 7.3"
Gross weight	39.24 lbs
Net weight	27.78 lbs
UPC	796435 44 841 7