

SMX MX-E650U Laser Projector

High-Brightness, Maintenance-Free WUXGA Laser Projector for Professional Installations

The SMX MX-E650U is a powerful 6,500 ANSI lumens WUXGA (1920x1200) laser projector, designed for large venues, business presentations, auditoriums, museums, and educational settings. Featuring laser phosphor technology, this projector delivers up to 30,000 hours of operation, ensuring a low-maintenance, eco-friendly, and cost-effective solution for continuous, high-quality projection.

Key Features

✓ 6,500 ANSI Lumens & WUXGA Resolution

Experience ultra-bright visuals with high contrast and sharp details, even in well-lit environments. WUXGA resolution provides more screen real estate and higher clarity than Full HD.



✓ Laser Phosphor Technology for 30,000-Hour Lifespan

Unlike traditional lamp-based projectors, the lamp-free laser light source ensures consistent brightness, vibrant colors, and a low total cost of ownership.



✓ 360° Projection & Portrait Mode

Flexible installation options allow full 360° projection, including portrait mode, ideal for digital signage, art installations, and unconventional displays.

✓ Motorized Lens Shift, Zoom & Focus

Easily fine-tune your projection with motorized adjustments for horizontal & vertical lens shift, zoom (1.6x), and focus, ensuring the perfect image alignment without physically moving the projector.

✓ HDBaseT & Extensive Connectivity

Supports HDMI, HDBaseT, LAN control (Crestron, AMX, PJ-Link), making it easy to long distances.

✓ Sealed Optical Engine with IP5X Dust Protection

A sealed optical engine protects against dust and moisture, ensuring consistent performance in demanding environments like large auditoriums and exhibition spaces.

✓ Network Management & Remote Control

Compatible with Crestron, AMX, PJ Link, and Extron, allowing remote monitoring and management for hassle-free operation in large installations.



Model MX-E650U

Overall Spec

Brightness Lumen		6500
Native Resolution		WUXGA (1920 x 1200)
Panel	Display Panel	3x0.64" with MLA
	Display Technology	Liquid Crystal Display
	Native Resolution	WUXGA (1920 x 1200)
Light source	Full Normal/Normal mode	20000hrs
Life time	ECO mode	30000hrs
Projection Lens	Lens Vendor	RICOH Lens
	F	1.5~2.08
	f	17.2~27.7mm
	Zoom/Focus	Manual
	Throw Ratio	1.3(wide)-2.2(tele)
	Zoom Ratio	1.6
	Screen size	30-300 inch
	Lens Shift	V: + 60%~0%、 / H:±29%
Contrast Ratio	5000000:1	
Noise(dB)	37dB (Normal) / 29dB (ECO1) / 27dB (ECO2)	
Uniformity	Uniformity (Actual Min) -JISX6911	80%
Aspect Ratio	Native: 16:10 / Compatible: 4:3/16:9	

Terminal(I/O port)

Input	VGA	*1
	HDMI 1.4B(IN)	*2
	USB-A	*1
	USB-B	*1 (Display)
	RJ45	*1 (Display)
	HD BaseT	*1(Optional)
Output	Audio in (mini jack,3.5mm)	*1
	VGA	*1
	Audio out (mini-jack,3.5mm)	*1
Control	RS232	*1
	RJ45	*1 (Control)
	USB-B	*1 (For upgrade)

General Spec

Audio	Speaker	16W*1
Dust filter		W/Filter
Filter Life time		8000h
Power Consumption	Power Requeirements	100~240V@ 50/60Hz
	Power Consumption (Normal) (Max)	350
	Power Consumption (ECO1) (Max)	240
	Power Consumption (ECO2) (Max)	220
	ECO Standby Mode	<0.5W
	Power Consumption	
Temp.& Humidity	Operating Temp.	0 to 40°C
	Operating Thumidity.	20-85%
	Store Temp.	-10 to 50°C

Other Functions

Keystone	Keystone Correction (Lens @ center)	V: ±30°
		H: ±30°
		Pincushion/Barrel Correction 6 Corner Geometry correction 4 Corner Correction Grid image tune
OSD	Languages	26 languages: English, German, French, Italian, Spanish, Polish, Swedish, Dutch, Portuguese, Japanese, Simplified Chinese, Traditional Chinese, Korean, Russian, Arabic, Turkish, Finnish, Norwegian, Danish, Indonesian, Hungarian, Czech, Kazak, Vietnamese, Thai, Farsi
LAN Control	LAN Control-Room View (Crestron)	Yes
	LAN Control--AMX Discovery	Yes
	LAN Control--PJ Link	Yes
Scanning Frequency	H-Synch Range	15~100KHz
	V-Synch Range	24~85Hz
Display Resolution	Computer Signal Input	VGA, SVGA, XGA, SXGA, WXGA, UXGA, WUXGA, 4K@30Hz
	Video Signal Input	480i, 480p, 576i, 576p, 720p, 1080i and 1080p
SW setting	Auto Setup	INPUT SEARCH, AUTO PC, Auto Keystone
	Blank	Yes
	Suspend	Yes (5minutes no signal as default)
	Picture mode	Dynamic, Standard, Cinema, Color board, sim-DICOM, Blackboard (Green)
	Cooling time	0s、normal、30s
	Auto Ceiling	Yes
	D-Zoom	1~33
Others	360° projection	Yes
Wireless display (Optional)	Android Install APK for Android, iPhone: Airplay function PC: Support WIFI Display @ Windows & MAC system through dongle	
Dimension & Weight	MAX Dimensions	405 (W)*358(D)*137(H) MM
	Net. Weight (KG)	~7.9KG
	Packaging Box Dimensions	510 (W)*498(D)*260(H) MM
	Gross. Weight (KG)	~10.4KG

Accessory

Manual Languages	English, Chinese
Standard Accessories	Power cord (EU) /power cord (Ja) Remote control & RC Battery

Regulation List

CCC, CB, cTUVus, FCC, FDA, CE-EMC, CE-LVD, CE-ERP	
EMC Class	Class A@3dBm