SMX

Shenzhen SMX Display Technology Co., Ltd

DLP Laser Projector

MX-DL820U / MX-DL850U



Laser Light Source

DLP Display Technology

Vertical & Corner Correction

1080P/WUXGA High Resolution

HDBaseT Function (Optioncal)

- 8,200lm / 8,500lm
- 3,0000 Hrs Light Source
- Support3D Function
- DLP Display Technology
- 5,000,000:1 Dynamic contrast
- 360° Projection

Spec

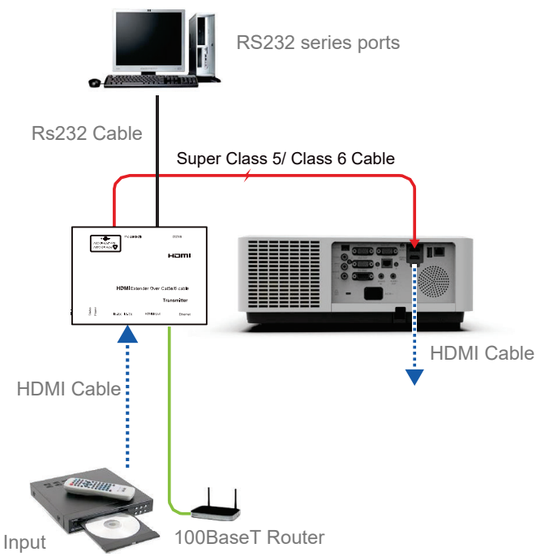
Specification		
Model No.	MX-DL820U	MX-DL850U
Projection Lens	Optional Lens	
Light Source	Laser	
Brightness Ansi Lumens)	8200lm	8500lm
Display Panel	0.65" DMD	0.67" DMD
Display Technology	DLP	DLP
Resolution	1920*1080(1080P)	1920*1200(WUXGA)
Light Source (Normal)	20000hrs	
Life Time (ECO)	30000hrs	
Lens Shift (Manual)	V:+37%~-10%, H:±8%	
Contrast	5,000,000:1	
Noise(dB)	39dB(Normal) / 36dB(ECO)	
Uniformity	95%	
Terminals		
VGA (Input)	*1	
VGA (output)	*1	
HDMI (1.4) Input	*2	
HDBaseT	*1 (Optional)	
Video	*1	
Audio(RCA)	*2(L&R)	
AduioIn (mini jack 3.5mm)	*1	
RS232	*1	
RJ45	*1(Control)	
Micro-USB	*1 (Upgrade)	
USB-A	*1 (5V)	
General Spec		
Speaker	10W*1	
Dust Filter	NA	
Power Requirements	100~240V@ 50/60Hz	
Power Consumption	670W(Max)	
ECO Power Consumption	500W(Max)	
ECO Power Consumption	<0.5W(Standby)	
Operating Temp.	0m≤ Altitude ≤1700m, Ambient 0℃ ~50℃ 1700m < Altitude < 3000m, Ambient 0℃ ~40℃	
Operation Thumidity	20-85%	
Store Temp.	-10 to 50°C	
High Altitude	0~3000m	
Keystone Correction	Vertial : ±30°, 4 Corner Correction	
360° Proejction	Support	
Auto Ceiling	Support	
Auto3D Mode	Manual Switching	
Size & Weight		
ProductSize(WxDxH mm)	460*355*143mm	
Net Weight	~10Kg	

Product Size



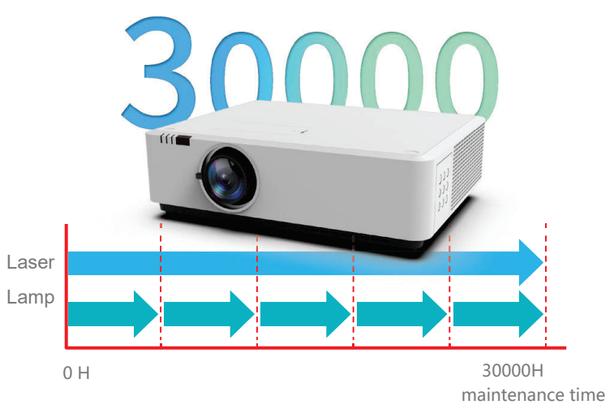
HDBaseT interface for real-time transmission of high-definition signals(Optional)

HDBaseT is a multi-signal transmission system using a single Cat5e/6 network cable for real-time HD signal transmission up to 100 meters. This simplifies installation, enhances stability, and is suitable for various complex environments.



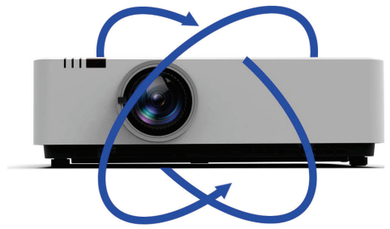
30,000H Ultra long laser life

The brightness of the laser light source decreases over time based on usage , environment, and user habits. If used for 4 hours a day, a projector can last about 20 years, effectively extending its service life.



360 ° omnidirectional projection, random installation

The projector offers 360° omnidirectional projection and allows easy adjustment of the projected image position through the menu.



Speaker 10W

The projector is equipped with a high-performance 10W built-in speaker, making the sound louder and the meetings more vibrant.



Supports 3D video mode, brand new visual experience.

It supports four video formats: side-by-side, top-bottom, continuous frame, and frame encapsulation, making the viewing experience more realistic.



5,000,000:1 Dynamic contrast

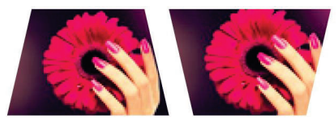
Ensure that every detail in the image, including the shadows, is fully rendered , bringing you a rich and delicate visual experience.



Keystone Correction

It supports vertical keystone correction and four-corner correction. The adjustment operation is simple, ensuring users achieve optimal imaging results on various irregular projection surfaces.

- Vertical

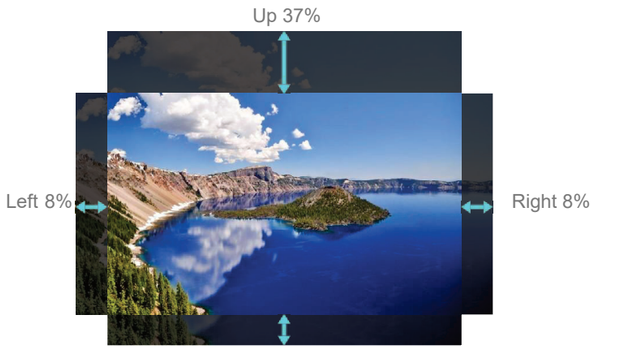


- 4 corner



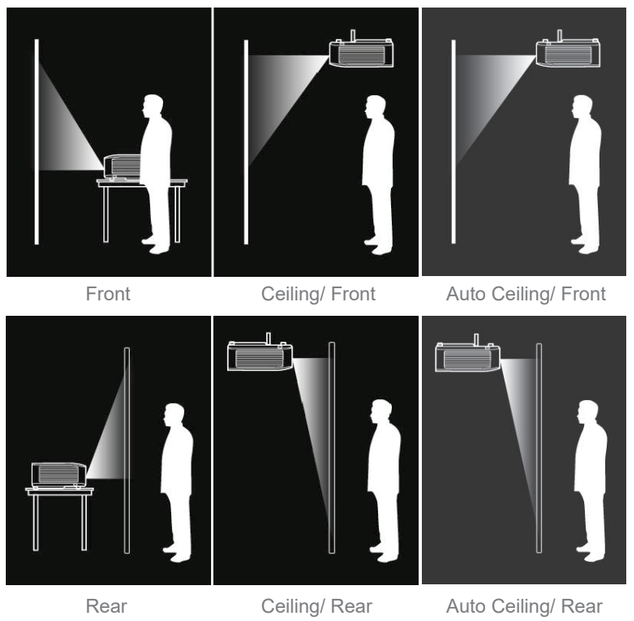
Optical zoom, lens shift, and easier installation and adjustment.

The projector features a lens-shift function, allowing users to easily adjust the position of the projected image. The maximum vertical adjustment range is 37% (up) and 10% (down), while the maximum horizontal adjustment range is ±8%.

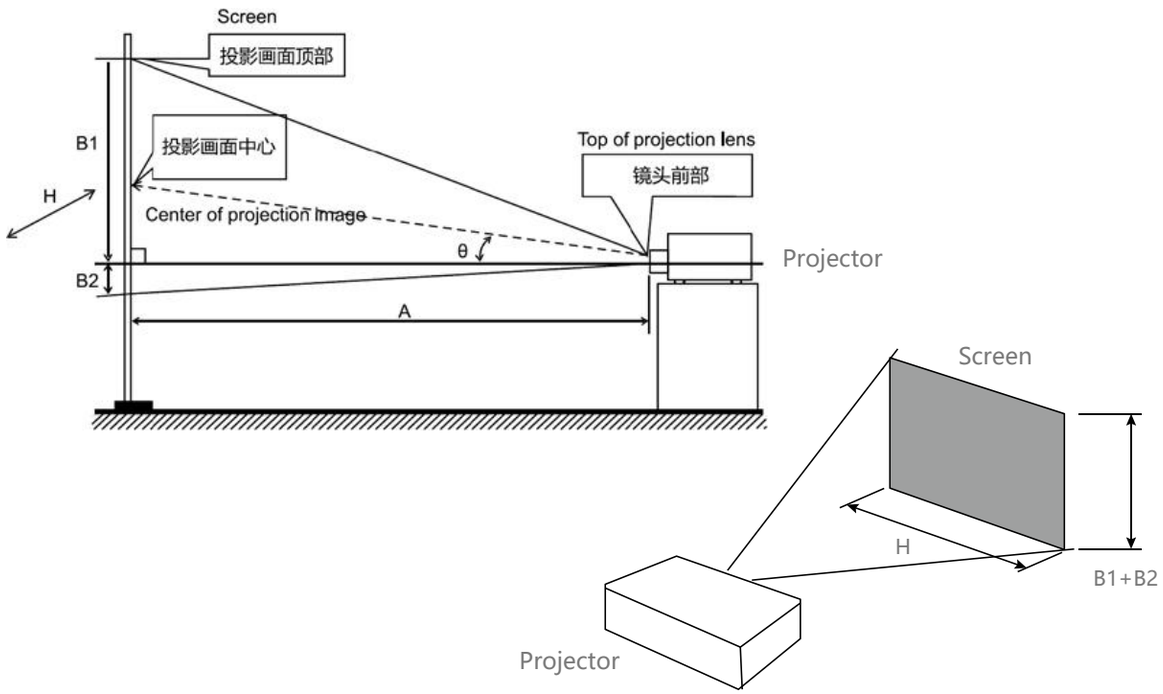


Diverse projection methods, suitable for any environment

It offers multiple projection options: front and rear projection on the desktop and the ceiling, including automatic options. This eliminates the need to adjust the projector for different environments, making it quick and convenient.



Projection Distance



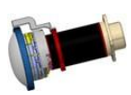
16:10 (MX-DL850U Standard Len MX-EC10ZL)				
Screen Size (inch)	Width of Image (H)(m)	Height of Image (B1+B2)(m)	Projection Distance Min A(m)	Projection Distacne Min A(m)
60	1.292	0.808	1.331	2.171
70	1.508	0.942	1.553	2.533
80	1.723	1.077	1.775	2.895
90	1.939	1.212	1.997	3.257
100	2.154	1.346	2.219	3.618
120	2.585	1.615	2.662	4.342
150	3.231	2.019	3.328	5.428
200	4.308	2.692	4.437	7.237
250	5.385	3.365	5.546	9.046
300	6.462	4.039	6.656	10.855
400	8.616	5.385	8.874	14.474
500	10.770	6.731	11.093	18.092

16:9 MX-DL820U Standard Len MX-EC10ZL)				
Screen Size (inch)	Width of image (H)(m)	Height of image (B1+B2)(m)	Projection Distance MAX A(m)	Projection Distance MAX A(m)
60	1.328	0.747	1.368	2.231
70	1.550	0.872	1.596	2.603
80	1.771	0.996	1.824	2.975
90	1.992	1.121	2.052	3.347
100	2.214	1.245	2.280	3.719
120	2.657	1.494	2.736	4.463
150	3.321	1.868	3.420	5.579
200	4.428	2.491	4.560	7.438
250	5.535	3.113	5.701	9.298
300	6.641	3.736	6.841	11.157
400	8.855	4.981	9.121	14.876
500	11.069	6.226	11.401	18.595

16:10 (MX-DL850U Optional Len MX-EC06ZL)				
Screen Size (inch)	Width of image (H)(m)	Height of image (B1+B2)(m)	Projection Distance Min A(m)	Projection Distance Max A(m)
60	1.292	0.808	0.827	1.021
70	1.508	0.942	0.965	1.191
80	1.723	1.077	1.103	1.361
90	1.939	1.212	1.241	1.531
100	2.154	1.346	1.379	1.701
120	2.585	1.615	1.654	2.041
150	3.231	2.019	2.068	2.552
200	4.308	2.692	2.757	3.402
250	5.385	3.365	3.446	4.253
300	6.462	4.039	4.136	5.103
400	8.616	5.385	5.514	6.804
500	10.770	6.731	6.893	8.505

16:9 (MX-DL820U Optional Len MX-EC06ZL)				
Screen Size (inch)	Width of image (H)(m)	Height of Image (B1+B2)(m)	Projection Display Min A(m)	Projection Display Max A(m)
60	1.328	0.747	0.850	1.049
70	1.550	0.872	0.992	1.224
80	1.771	0.996	1.133	1.399
90	1.992	1.121	1.275	1.574
100	2.214	1.245	1.417	1.748
120	2.657	1.494	1.700	2.098
150	3.321	1.868	2.125	2.623
200	4.428	2.491	2.834	3.497
250	5.535	3.113	3.542	4.371
300	6.641	3.736	4.250	5.245
400	8.855	4.981	5.667	6.993
500	11.069	6.226	7.084	8.742

Optional Lenses

DLP Series Optional Leses Line up			
Model No.		MX-EC10ZL	MX-EC06ZL
Image			
Image cycle		21.5mm	22.2mm
Lens Type		Zoom Lens	Zoom Lens
Zoom/Focus		Manual	Manual
F#(Wide-Tele)		2.4	2.4
f(mm)		15.3mm-24.6mm	9.66mm-11.65mm
Throw ratio(16:10)		1.03~1.68	0.647-0.782
Zoom Ratio		1.63	1.2
Lens Shift	H	H:±8%	H:±8%
	V	37%Up 10%down	42%Up 10%down
Screen Size		80-300inch	80-300inch
Weight(g) ±100g		400	1000