GYGAR

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Portable Projector

Series

LM 23+



LM 23+ are multifunction models of diverse utilities including education, business and home entertainment. By developing inorganic 3LCD panel's 4:3 for 0.63 panel, the series deliver sharp and brilliant image with high brightness up to 3200 Ansi Lumens. Optimized cooling and dust proof design with noise under 32 dB in eco mode make LM energy saving and environmental friendly in operation.

- 3LCD Technology
- Direct power on/off
- Auto keystone correction
- 1/4 ~ 16 Digital Zoom
- High Contrast 10,000:1 (Dinamic Contrast)
- Top drawer lamp replacement
- Image Blank, Freezing, Zoom & Pan
- Multiple projection made : dynamic, standard, theatre and color board
- Auto Synch and Search
- RJ45 network control
- Support WXGA, UXGA and Mac Resolution

HDMI

10000:1 High Contrast

ECO Mode 6000 hours

AUTO Power Off

PORTABLE PROJECTOR



SPECIFICATIONS — Professional

Description	LM 23+
Display Technology	Liquid Crystal Display Panel
Display Panel	0.63" TFT active matrix type, 3 panels
Brightness (ANSI Lumens)	3200
Native Resolution	XGA (1024x768)
Contrast Ratio	10,000:1 (Dinamic Contrast)
Projection Lens	F:2.1~2.3, 1.2x optics, f=18.82~22.60mm 1/4~16Digital Zoom
Uniformity	85%
Throw Ratio	70"@ 2.07M
Throw Distance	0.8M ~ 10.8M (30" ~ 300")
Aspect Ratio	4:3 (Standard) / 16:9 (Compatible)
Keystone	Auto/Manual Keystone, +-40°
I/O Port	
- Computer (Input)	VGA x 2 Port
- Computer (Output)	VGA x 1 Port (share to VGA in)
- Component YCbCr	YCbCr x 1
- C-Video	Video x 1 (share to YCbCr)
- S-Video (Input)	Mini DIN 4 pin x 1
- Mini Jack audio (Input)	3.5 mm Mini plug (stereo) x 1
- Mini Jack audio (Output)	3.5 mm Mini plug (stereo) x 1
- Audio L/R (Input)	RCA type x 2
- RS232	D-sub 9 pin x 1
- RJ45	x 1
- HDMI	x 1
PC Compatibility	VGA, SVGA, XGA, SXGA, WXGA, UXGA, Mac
Video Compatibility	PAL, SECAM, NTSC 4.43, PAL-M, PAL-N, 480i, 480p, 576i, 576p, 720p,1035i, and 1080i
Speaker	7 Watt x 1
Lamp	215 Watt
Lamp Life	4000hrs (Normal) / 6000hrs (Economic)
H~Synch Range	15~100KHz
V~Synch Range	48~85Hz
Standby Power	<0.5 Watt
Power Consumption	280 Watt
Power Supply	100~240V AC @ 50~60 HZ
Operating Temp.	5°C ~ 40°C (over 35°C Go to ECO mode)
Store Temp.	-10°C ~ 60°C
Dimension	340mm X 238mm X 86mm
Weight	3 kg.
Warranty	2 years Lamp warranty 1 year or 1,000 hrs which

Features

1. Customised startup logo.
2. One-key Blank Screen.
3. Image zoom out/in.
4. Anti-theft Bar&lock/Triple Password Protection
5. Image Freezing, Zoom & Panning
6. Auto Power-Off on Singal Sourcing Failure
7. Auto Detection of Input Source
8. Auto Synch.
9. Lamp & Filter countdown
10. High-speed Power off

Remote Control (Card Type)

Speaker Stereo 7 Watt

OSD Languages
Chinese,English,French,Spanish,
Portuguese,German,Italian,Janpanese,
Korean,Russian,Finnish,Dutch,Thai,
Vietnam,Turkish,Africaans,Indonesian,
Farsi,Arabian (19 languages)

Standard Accessaries
User Manual (CD), Power Cord,
Remote Control & battery, VGA Cable,
Lens Cover With String, Warranty Card,
Qualified card, Drying agent

Projection Chart

Image Size	4:3			16:9		
Diagonal distance (inch)	Min zoom-Wide(m)	Max zoom-Tele (m)	Height(m)	Min zoom-Wide(m)	Max zoom-Tele (m)	Height(m)
30"	0.9	1.1	0.065	1.0	1.2	0.079
40"	1.2	1.4	0.087	1.3	1.6	0.038
50"	1.5	1.8	0.109	1.6	2.0	0.048
60"	1.8	2.2	0.131	2.0	2.4	0.058
70"	2.1	2.5	0.152	2.3	2.8	0.067
80"	2.4	2.9	0.174	2.6	3.1	0.077
90"	2.7	3.3	0.196	3.0	3.5	0.087
100"	3.0	3.6	0.218	3.3	3.9	0.096
120"	3.6	4.3	0.261	3.9	4.7	0.115
150"	4.5	5.4	0.327	4.9	5.9	0.144
200"	6.0	7.3	0.435	6.6	7.9	0.192
250"	7.6	9.1	0.544	8.2	9.9	0.240
300"	9.1	10.9	0.653	9.9	11.9	0.288

Image Size	16:10		
Diagonal distance (inch)	Min zoom-Wide(m)	Max zoom-Tele (m)	Height(m)
30"	0.9	1.1	0.069
40"	1.3	1.5	0.012
50"	1.6	1.9	0.015
60"	1.9	2.3	0.018
70"	2.2	2.7	0.021
80"	2.5	3.1	0.024
90"	2.9	3.5	0.027
100"	3.2	3.8	0.030
120"	3.8	4.6	0.036
150"	4.8	5.8	0.044
200"	6.4	7.7	0.059
250"	8.0	9.6	0.074
300"	9.6	11.6	0.089

* Feature and Specifications are subject to change without notice.

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