

BenQ Digital Projectors



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INSTALLATION SERIES

MAINSTREAM SERIES

Model	SP920	SP870	SP831	SP830	MP727	MP724	MP735	MP771	
Native Resolution	XGA (1024 x 768)	XGA (1024 x 768)	WXGA (1280 x 768)	WXGA (1280 x 768)	XGA (1024x768)	XGA (1024x768)	WXGA (1280x800)	XGA (1024x768)	
Projection System	DLP™	DLP™	DLP™	DLP™	DLP™	DLP™	DLP™	DLP™	
Brightness	6000 ANSI lumens	5000 ANSI lumens	4000 ANSI lumens	3500 ANSI lumens	4300 ANSI lumens	3500 ANSI lumens	3000 ANSI lumens	3000 ANSI lumens	
Lamp (Normal/Economic)	280W*2, 2000/3000 hours	360W, 2000/3000 hours	300W, 3000/4000 hours	300W, 3000/4000 hours	280W, 2000/3000 hours	280W, 2000/3000 hours	230W, 2000/3000 hours	280W, 3000/4000 hrs	
Contrast Ratio (FOFO)	2000:1	2000:1	2000:1	2000:1	3500:1	2800:1	2800:1	2000:1	
Weight	24 lbs (11 kg)	10.8 lbs (4.9 kg)	10 lbs (4.5 kg)	10 lbs (4.5 kg)	7.5 lbs (3.4 kg)	7.5 lbs (3.4 kg)	7.5 lbs (3.4 kg)	9 lbs (4.1 kg)	
Noise Level (Normal/Economic)	37/34 dB	36/33 dB	34/32 dB	34/32 dB	37/34 dBA	37/34 dBA	34/29 dBA	34/29 dB	
Dimension (WxHxD)	17.4 x 6.6 x 14 inch	14.8 x 4.5 x 10.9 inch	14.7 x 4.6 x 11.1 inch	14.7 x 4.6 x 11.1 inch	12.8 x 3.7 x 10 inch	12.8 x 3.7 x 10 inch	12.8 x 3.7 x 10 inch	10.9 x 5.1 x 13.3 inch	
Image Size	31" to 300"	31" to 300"	25" to 300"	25" to 300"	35" to 300"	34" to 300"	40" to 300"	67" to 300"	
Throw Ratio	1.64 - 1.88	1.64 - 1.88	1.56 - 1.81	1.56 - 1.81	1.9 - 2.2	1.9 - 2.2	1.53 - 1.76	0.67	
Throw Distance	Min: 1.2m; Max: 10m	Min: 1.2m; Max: 10m	Min: 1.00m; Max: 10.3m	Min: 1.00m; Max: 10.3m	Min: 1.5m; Max 11.1m	Min: 1.5m; Max 11.5m	Min: 1.5m; Max 10m	Min: 0.9m; Max 4m	
Keystone Adjustment	Vertical +/- 25 degrees	Vertical +/- 25 degrees	Vertical +/- 40 degrees; Horizontal +/- 30 degrees	Vertical +/- 40 degrees; Horizontal +/- 30 degrees	Vertical +/- 15 degrees	Vertical +/- 15 degrees	Vertical +/- 15 degrees	Vertical +/- 25 degrees	
Zoom Ratio	Manual Zoom, 1.15:1	Manual Zoom, 1.15:1	Manual Zoom, 1.16:1	Manual Zoom, 1.16:1	Manual Zoom, 1.15:1	Manual Zoom, 1.15:1	Manual Zoom, 1.15:1	Fixed	
Aspect Ratio	4:3/16:9 screen selectable	4:3/16:9 screen selectable	15:9 Native	15:9 Native	4:3/16:9 screen selectable	4:3/16:9 screen selectable	4:3/16:9 screen selectable	4:3/16:9 screen selectable	
Horizontal Frequency	31-82 kHz	31-93 kHz	24-82 kHz	24-82 kHz	31-90 kHz	31-90 kHz	31-90 kHz	31-82 kHz	
Vertical Scan Rate	48-85 Hz	48-85 Hz	48-85 Hz	48-85 Hz	50-85 Hz	50-85 Hz	50-85 Hz	48-85 Hz	
Input Terminals	HDMI v1.3, DVI-D (HDCP), D-Sub, Component, S-Video, Composite, Stereo Mini Jack	DVI-D (HDCP), D-Sub, Component, S-Video, Composite, Stereo Mini Jack	DVI-I (HDCP), D-Sub, Component, S-Video, Composite, Stereo Mini Jack, L/R Audio, RJ45	DVI-I (HDCP), D-Sub, Component, S-Video, Composite, Stereo Mini Jack, L/R Audio, RJ45	HDMI v1.3, DVI-I (HDCP), D-Sub, Component (Shared), S-Video, Composite, Stereo Mini Jack, L/R Audio	HDMI v1.3, DVI-I (HDCP), D-Sub, Component (Shared), S-Video, Composite, Stereo Mini Jack, L/R Audio	HDMI v1.3, DVI-I (HDCP), D-Sub, Component (Shared), S-Video, Composite, Stereo Mini Jack, L/R Audio	DVI-I (HDCP), D-Sub, Component (Shared), S-Video, Composite, Stereo Mini Jack	
Output Terminals	D-Sub, 12V Trigger	D-Sub, 12V Trigger	D-Sub, L/R Audio	D-Sub, L/R Audio	D-Sub, PC Audio Jack	D-Sub, PC Audio Jack	D-Sub, PC Audio Jack	D-Sub, 12V Trigger	
Computer Compatibility	VGA(640 x480) to UXGA(1600 x 1200)	VGA(640 x480) to UXGA(1600 x 1200)	VGA(640 x480) to UXGA(1600 x 1200)	VGA(640 x480) to UXGA(1600 x 1200)	VGA(640 x480) to UXGA(1600 x 1200)	VGA(640 x480) to UXGA(1600 x 1200)	VGA(640 x480) to UXGA(1600 x 1200)	VGA(640 x480) to SXGA+(1400 x 1050)	
HDTV Compatibility	480i,480p,576i,576p,720p,1080i,1080p	480i,480p,576i,576p,720p,1080i,1080p	480i,480p,576i,576p,720p,1080i,1080p	480i,480p,576i,576p,720p,1080i,1080p	480i,480p,576i,576p,720p,1080i,080p	480i,480p,576i,576p,720p,1080i,1080p	480i,480p,576i,576p,720p,1080i,1080p	480i,480p,576i,576p,720p,1080i,1080p	
Speakers	5 Watt Speaker x 2	2 Watt Speaker x 2	2 Watt Speaker x 2	2 Watt Speaker x 2	3 Watt Speaker x 1	3 Watt Speaker x 1	3 Watt Speaker x 1	2 Watt Speaker x 1	
Control Terminals	USB Type mini B, RS232, Wire Control	USB Type mini B, RS232, Wire Control	USB Type mini B, RS232, Wire Control	USB Type mini B, RS232, Wire Control	USB Type A, RS232	USB Type A, RS232	USB Type A, RS232	USB Type mini B, RS232	
Video Compatibility	NTSC/PAL/SECAM	NTSC/PAL/SECAM	NTSC/PAL/SECAM	NTSC/PAL/SECAM	NTSC/PAL/SECAM	NTSC/PAL/SECAM	NTSC/PAL/SECAM	NTSC/PAL/SECAM	
Functions	Dual lamp with 3 modes 3D Color Management BrilliantColor™ Wall Color Correction CRESTRON Certified MyScreen	3D Color Management BrilliantColor™ Wall Color Correction Quick Cooling MyScreen	Split Screen HQV™ 2D Keystone Off & Go (Offline Cooling) Signal Shuttle (Optional)	Split Screen HQV™ 2D Keystone Off & Go (Offline Cooling) Signal Shuttle (Optional)	3D Color Management BrilliantColor™ Wall Color Correction Quick Cooling MyScreen	3D Color Management BrilliantColor™ Wall Color Correction Quick Cooling MyScreen	3D Color Management BrilliantColor™ Wall Color Correction Quick Cooling MyScreen	3D Color Management BrilliantColor™ Wall Color Correction Quick Cooling MyScreen	Short Throw Ratio Lens 3D Color Management BrilliantColor™ Detachable Keypad MyScreen

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	MAINSTREAM SERIES							COMMUTER SERIES	
Model	MP624	MP623	MP523	MP522 ST	MP522	MP513	MP512	CP270	
Native Resolution	XGA (1024x768)	XGA (1024x768)	XGA (1024 x 768)	XGA (1024 x 768)	XGA (1024 x 768)	SVGA (800x600)	SVGA (800x600)	XGA (1024x768)	
Projection System	DLP™	DLP™	DLP™	DLP™	DLP™	DLP™	DLP™	DLP™	
Brightness	3000 ANSI lumens	2500 ANSI lumens	2000 ANSI lumens	2000 ANSI lumens	2000 ANSI lumens	2500 ANSI lumens	2200 ANSI lumens	2000 ANSI lumens	
Lamp (Normal/Economic)	200W,3000/4000 hrs	200W,3000/4000 hrs	180W, 3500/4000 hours	185W, 3000/4000 hours	185W, 3000/4000 hours	200W, 3000/4000 hours	185W, 3000/4000 hours	200W, 2000/3000 hours	
Contrast Ratio (FOFO)	2500:1	2500:1	2000:1	1000:1	1000:1	2500:1	2500:1	1000:1	
Weight	5.5 lbs (2.5 kg)	5.5 lbs (2.5 kg)	5.3 lbs (2.4 kg)	5.3 lbs (2.4 kg)	4.8 lbs (2.2 kg)	4.8 lbs (2.2 kg)	4.8 lbs (2.2 kg)	3.3 lbs (1.5 kg)	
Noise Level (Normal/Economic)	31/26 dBA	31/26 dBA	33/30 dB	31/26 dB	31/26 dB	31/26 dBA	31/26 dBA	37/34 dBA	
Dimension (WxHxD)	9.4 x 4.18 x 9.88 inch	9.4 x 4.18 x 9.88 inch	10.7 x 4.25 x 8.46 inch	10.04 x 3.54 x 8.43 inch	10.04 x 3.54 x 8.43 inch	10.04 x 3.54 x 8.43 inch	10.04 x 3.54 x 8.43 inch	7.5 x 3 x 8 inch	
Image Size	24" to 300"	24" to 300"	30" to 300"	27.5" to 300"	26.5" to 300"	26.5" to 300"	25" to 300"	24" to 300"	
Throw Ratio	1.8 - 2	1.8 - 2	1.97 - 2.16	0.9	1.9 - 2.1	1.9 - 2.1	2	1.9 - 2.1	
Throw Distance	Min: 1.00m; Max: 10.9m	Min: 1.00m; Max: 10.9m	Min: 1.20m; Max: 12m	Min: 0.50m; Max: 5.5 m	Min: 1.00m; Max: 11.3m	Min: 1.00m; Max: 11.3m	Min: 1.00m; Max: 12m	Min: 1.00m; Max: 11.50m	
Keystone Adjustment	Vertical +/- 25 degrees	Vertical +/- 25 degrees	Vertical +/- 35 degrees	Vertical +/- 25 degrees	Vertical +/- 25 degrees	Vertical +/- 25 degrees	Vertical +/- 25 degrees	Vertical +/- 25 degrees	
Zoom Ratio	Manual Zoom, 1.10:1	Manual Zoom, 1.10:1	Manual Zoom, 1.10:1	Fixed	Manual Zoom, 1.10:1	Manual Zoom, 1.10:1	Fixed	Manual Zoom, 1.10:1	
Aspect Ratio	4:3/16:9 screen selectable	4:3/16:9 screen selectable	4:3/16:9 screen selectable	4:3/16:9 screen selectable	4:3/16:9 screen selectable	4:3/16:9 screen selectable	4:3/16:9 screen selectable	4:3/16:9 screen selectable	
Horizontal Frequency	31-82 kHz	31-82 kHz	31-79 kHz	31-82 kHz	31-82 kHz	31-82 kHz	31-82 kHz	31-82 kHz	
Vertical Scan Rate	48-85 Hz	48-85 Hz	50-85 Hz	48-85 Hz	48-85 Hz	48-85 Hz	48-85 Hz	48-85 Hz	
Input Terminals	HDMI v1.3, D-Sub, Component (Shared) S-Video, Composite, Stereo Mini Jack	HDMI v1.3, D-Sub, Component (Shared) S-Video, Composite, Stereo Mini Jack	D-Sub, Component (Shared), S-Video, Composite, Stereo Mini Jack	D-Sub, Component (Shared), S-Video, Composite, Stereo Mini Jack	D-Sub, Component (Shared) S-Video, Composite	D-Sub, Component (Shared) S-Video, Composite	D-Sub, Component (Shared) S-Video, Composite	D-Sub, Component (Shared) S-Video, Composite	
Output Terminals	D-Sub	D-Sub	D-Sub, Stereo Mini Jack	D-Sub	D-Sub	D-Sub	D-Sub	N/A	
Computer Compatibility	VGA(640 x480) to SXGA(1280 x 1024)	VGA(640 x480) to SXGA(1280 x 1024)	VGA(640 x480) to SXGA(1280 x 1024)	VGA(640 x480) to SXGA(1280 x 1024)	VGA(640 x480) to SXGA(1280 x 1024)	VGA(640 x480) to SXGA(1280 x 1024)	VGA(640 x480) to SXGA(1280 x 1024)	VGA(640 x480) to SXGA(1280 x 1024)	
HDTV Compatibility	480i, 480p, 576i, 576p, 720p, 1080i, 1080p	480i, 480p, 576i, 576p, 720p, 1080i, 1080p	480i, 480p, 576i, 576p, 720p, 1080i	480i, 480p, 576i, 576p, 720p, 1080i	480i, 480p, 576i, 576p, 720p, 1080i	480i, 480p, 576i, 576p, 720p, 1080i	480i, 480p, 576i, 576p, 720p, 1080i	480i, 480p, 576i, 576p, 720p, 1080i	
Speakers	2 Watt Speaker x 1	2 Watt Speaker x 1	2 Watt Speaker x 1	5 Watt Speaker x 1	N/A	N/A	N/A	N/A	
Control Terminals	RS232	RS232	RS232	RS232	RS232	RS232	RS232	RS232	
Video Compatibility	NTSC/PAL/SECAM	NTSC/PAL/SECAM	NTSC/PAL/SECAM	NTSC/PAL/SECAM	NTSC/PAL/SECAM	NTSC/PAL/SECAM	NTSC/PAL/SECAM	NTSC/PAL/SECAM	
Functions	3D Color Management BrilliantColor™ Quick Cooling Closed Captioning Wall Color Correction	3D Color Management BrilliantColor™ Quick Cooling Closed Captioning Wall Color Correction	BrilliantColor™ Standby D-Sub Output Power Saving Audio In & Out Wall Color Correction	Short Throw Ratio Lens BrilliantColor™ Digital Zoom Closed Captioning Wall Color Correction	3D Color Management BrilliantColor™ Digital Zoom Closed Captioning Wall Color Correction	3D Color Management BrilliantColor™ Digital Zoom Closed Captioning Wall Color Correction	3D Color Management BrilliantColor™ Digital Zoom Closed Captioning Wall Color Correction	3D Color Management BrilliantColor™ Digital Zoom Closed Captioning Wall Color Correction	85 size/1.5 Kg 3D Color Management BrilliantColor™ Quick Cooling Auto Adjustment