



DLP™ technology by Texas Instruments offers crystal clear images with superior quality.

BenQ.com

The professional digital projector manufacturer.

As the world's 1st tier DLP projector manufacturer, BenQ is in pursuit of an ever-perfect projector that delivers a visual comfort experience for both business presentation and home entertainment. Combining high performance, versatility, ease of use and multimedia capacities with ergonomic design have enabled BenQ Corporation to deliver digital projector that featuring advanced technology. Major publications worldwide have recognized BenQ's value with awards and recommendations for our digital projectors. With BenQ, enjoyment matters.

Home Cinema PE8720 Home Theater PE7700 Home Entertainment PE5120



Model	PE8720	PE7700	PE5120
Native Resolution	1280 x 720 (16:9)	1280 x 720 (16:9)	854 x 480 (16:9)
Projection System	DLP™	DLP™	DLP™
Brightness	1000 ANSI lumens	1100 ANSI lumens	1100 ANSI lumens
Lamp	250W, 2000/3000 hours (Normal/Economic Mode)	250W, 2000/3000 hours (Normal/Economic Mode)	200W, 2000/3000 hours (Normal/Economic Mode)
Contrast Ratio	10000:1	2000:1	2000:1
Weight	20 lb (9 kg)	12 lbs (5.5 kg)	6.38 lbs (2.9 kg)
Audio Noise	25/23 dB (Normal/Whisper mode)	29/26 dB (Normal/Economic Mode)	29/26 dB (Normal/Economic Mode)
Resolution Support	640 x 400 to 1024 x 768	640 x 400 to 1024 x 768	640 x 400 to 1024 x 768
Dimension (WxHxD)	19 x 7.6 x 15.4 inches (492 x 195 x 393 mm)	15 x 4.5 x 11.8 inches (380 x 115 x 300 mm)	10.3 x 3.9 x 8.5 inches (262 x 99 x 216 mm)
Image Size	23.5" to 300"	37" to 300"	31" to 300"
Throw Ratio	100" @ 4m (100" @ 13.12 feet)	100" @ 3m (100" @ 9.8 feet)	60" @ 2m (60" @ 6.6 feet)
Zoom Ratio	Motorized zoom, 1.35:1	Manual zoom, 1.37:1	Manual zoom, 1.22:1
Lens	F=2.4 to 2.8, f=32.1 - 43 mm	F=2.4 to 2.8, f=23.98 - 32.4 mm	F=2.4-2.6, f=24.0-29.1 mm
Color	Full 16.7 million color palette	Full 16.7 million color palette	Full 16.7 million color palette
Aspect Ratio	Native 16:9 (5 aspect ratio selectable)	Native 16:9 (5 aspect ratio selectable)	Native 16:9; 4:3 selectable
Horizontal Frequency	15 - 75 kHz	15 - 75 kHz	31 - 82 kHz
Vertical Scan Rate	50 - 85 Hz	50 - 85 Hz	48 - 85 Hz
Projection Position	Front/rear, table/ceiling	Front/rear, table/ceiling	Front/rear, table/ceiling
Input Terminals (PC)	Analog RGB : BNC x 3	Analog RGB : BNC x 3 (BNC to VGA adapter included in box)	Digital RGB : DVI-I x 1 (HDCP)
Input Terminals (Video)	Digital : HDMI (with HDCP) x 1 Composite Video : RCA x 1 S-Video : Mini Din 4 pin x 1 Component Video 1 : BNC x 5 Component Video 2 : RCA x 3	Component Video : RCA x 3 Composite Video : RCA x 1 S-Video : Mini Din 4 pin x 1 Component Video 1 : BNC x 5 Component Video 2 : RCA x 3	Component Video : RCA x 3 S-Video : Mini Din 4 pin x 1 Composite Video : RCA x 1
Input Terminals (Audio)	-	-	-
Control Terminals	RS232 Serial Control : Mini Din 9 pin x 1	RS232 Serial Control : Mini Din 9 pin x 1	USB Serial Control : USB x 1, type mini B
Output Terminals	-	-	-
Video Compatibility	NTSC/PAL/SECAM	NTSC/PAL/SECAM	NTSC/PAL/SECAM
Auto Switching Power Supply	100 to 240 VAC, 50 to 60 Hz	100 to 240 VAC, 50 to 60 Hz	100 to 240 VAC, 50 to 60 Hz
Power Consumption	Max 320W	Max 320W	Max 285W
On-Screen Display Language	English/French/German/Italian/Spanish/Japanese/Russian/Dutch/Simplified Chinese/Traditional Chinese	English/French/German/Italian/Spanish/Japanese/Simplified Chinese/Traditional Chinese	English/French/German/Italian/Spanish/Korean/Simplified Chinese/Traditional Chinese/Japanese/Russian
Preset Modes/ Application Modes	<ul style="list-style-type: none"> Cinema Mode Home Theater Mode Family Room Mode Photo Mode Gaming Mode 	<ul style="list-style-type: none"> Cinema Mode Home Theater Mode Family Room Mode Photo Mode Gaming Mode 	PC input : <ul style="list-style-type: none"> Presentation Mode Video Mode Vivid Mode Economic Mode Video input : <ul style="list-style-type: none"> Gaming Mode Video Mode Cinema Mode Economic Mode
Functions	<ul style="list-style-type: none"> TI DarkChip3 DMD Faroudja DCDI processing Professional AV input (HDMI) HDTV compatible (YPbPr) BenQ proprietary Senseye technology 3D Color Management HD ready Dust proof with Air-Filter Motorized IRIS adjustment Powered lens shift 	<ul style="list-style-type: none"> PIP, POP User memory setting Independent color adjustment HD Ready HDTV compatible (YPbPr) Professional AV input (HDMI) Dust proof with Air-Filter BenQ proprietary Senseye technology 	<ul style="list-style-type: none"> Digital keystone Digital image adjustment Freeze Progressive scan Source detection HDTV compatible Mac compatible 8 sets of preset mode Deluxe soft carry case
Accessories (Standard)	<ul style="list-style-type: none"> User's manual Remote control AAA batteries Warranty information booklet PWR cord 	<ul style="list-style-type: none"> Component cable Micro dust filter 	<ul style="list-style-type: none"> S-Video cable PWR cord VGA to DVI cable Warranty information booklet
Accessories (Optional)	<ul style="list-style-type: none"> Ceiling mounting kit Spare lamp kit Micro dust filter HDMI cable 	<ul style="list-style-type: none"> Remote control Ceiling mounting kit Spare lamp kit Micro dust filter Remote control 	<ul style="list-style-type: none"> Mac adapter Ceiling mounting kit Remote control

Product Line-up

Series	Models	Description
Stationary	PB8260	XGA, 3500 lm, Wireless
	PB8250	XGA, 3000 lm
	PB8140	SVGA, 2000 lm
Mainstream	MP720	XGA, 2500 lm, sRGB, Wireless (optional)
	PB6240	XGA, 2700 lm, sRGB
	PB6210	XGA, 2000 lm
	MP610	SVGA, 2000 lm, 25dB, sRGB
	PB2250	XGA, 2200 lm
Commuter	PB2140	SVGA, 1600 lm
	CP120	XGA, 1500 lm, 1.3kg, sRGB, Wireless
Home application	Cinema	PE8720 720P, 10000:1, Darkchip 3
	Theater	PE7700 720P, 2500:1, HDMI
	Entertainment	PE5120 480P, 2000:1

Awards



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Enjoyment Matters



Winter 2005
Digital Projector Series

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