The Only Choice
Can Still Be the Best Choice

Powerfully flexible brilliant
and reliable for any application

PX9210 / PU9220+
BenQ Professional High Brightness Installation Projectors

BenQ

Because it matters

Stunning Performance and Versatility Made Simple

- Thrilling DLP picture quality from the world's #1 bestselling DLP projector brand
- Simple and flexible installation versatility
- Intuitively simple operation
- Hassle-free maintenance and lasting reliability

BenQ, the global #1 leading DLP projector maker, provides uncompromised projection performance, powerfully rich features, and carefree dependability with the new Professional High Brightness Series fixed-installation projectors. Intelligently designed with features such as optional lens capability, H/V lens shift, digital/analog/LAN connectivity, comprehensive image geometry and color adjustability, these projectors deliver over 5000 lumens of high brightness for large venues at a price/performance edge that's never been seen before.

Flexible Installation

Optional Lens Versatility for Any Installation

Ensuring optimal projector installation and performance in virtually any venue, the new BenQ P92 Series projectors accept five types of optical lenses ranging from short-throw to long-throw. Optional lenses are available with glass materials for better focus and large apertures for a brighter image.

## Zoom, Focus, and Horizontal/Vertical Lens Shift

Providing powerful features at an accessible value, the P92 Series offers wide-range zoom, focus and H/V lens shift functions* to perfectly frame projected images even when obstacles present installation challenges.

Vertical +50%

Horizontal ±5%

Vertical -10%
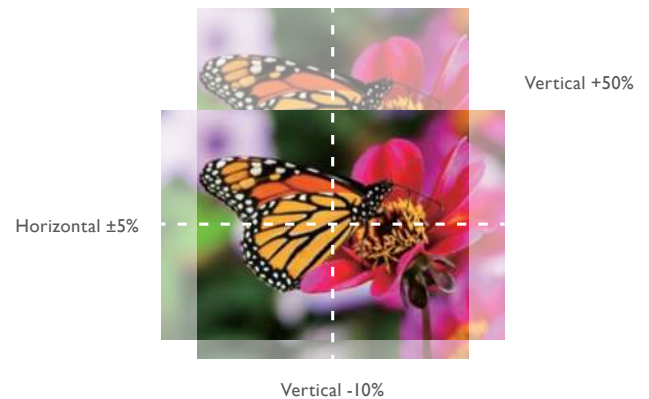
* PX9210 as example.
  Support manual lens shift.
  Lens Shift available in all interchangeable lenses.

360° Rotation-Capable Projection

Brilliant pictures and video can be projected onto ceilings, walls, floors, or angled signage with P Series projectors, which can be tilted vertically at any angle. Visualize amazing scenes at shopping centers, galleries, museums, theaters - or anywhere you can imagine.
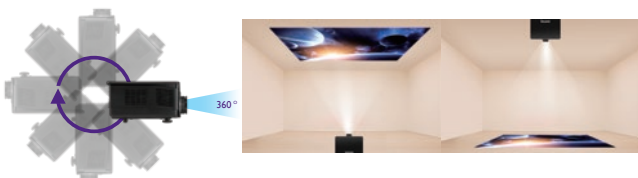
Central Lens Design

Unlike offset designs, BenQ's symmetrically centered lens design allows easy installation without special calculations or adjustments.


The protection lens is placed at the center.

I

Clear Visual Communication through Stunning Picture Quality

Ultra High Brightness

Presentations in large, brightly lit venues remain clear and sharp with BenQ's high brightness technology. The added luminance boosts vivid color intensity and depth for lights-on presentations allowing audience interaction and note-taking.
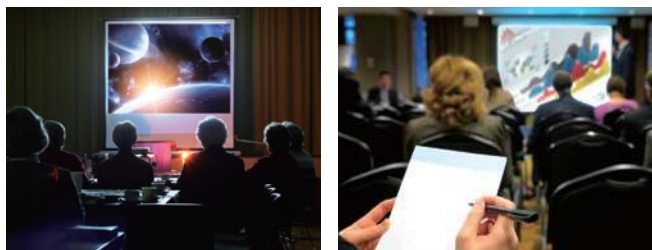
Enhanced Image Quality and Readability Improve Information Processing

Ultra High Resolution up to WUXGA

With up to 2.3 million pixels of resolution far surpassing 1080p, audiences can view cinema-quality Full HD content in breathtaking clarity, and presenters can show more content and detail without sacrificing readability. High resolution brings out fine details and produces more lifelike three-dimensional appearance for pictures while resolving even small text with crisp precision.

XGA 1024 x 768
WXGA 1024 x 1088
Full HD 1920 x 1080
WUXGA 1920 x 1200
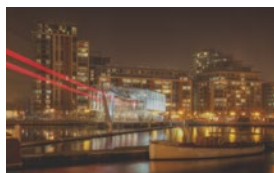
*WUXGA available on PU9220 models.

Ultra High Contrast Ratio

The culmination of BenQ's projector expertise and cutting-edge DLP technology delivers up to an astounding 4000:1 contrast ratio to significantly improve the black level and superbly render sharply detailed images.
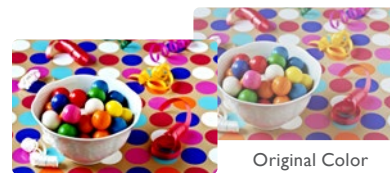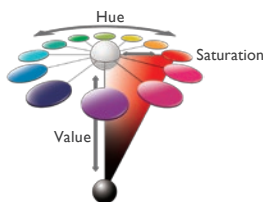
High Contrast

Low Contrast

(Simulated Photos)

Independent 3D Color Management for Six Primary Colors

BenQ's exclusive 3D color management tool ensures 100% complete color control with the freedom to independently fine-tune the hue, grain and saturation levels of all six primary colors (R/G/B/C/M/Y).

Hue

Saturation

Value

Original Color

Color Saturation

(Simulated Photos)

Enduring DLP Image Perfection

Featuring a DLP projection engine nearly sealed against dust and heat, BenQ projectors exhibit virtually no image distortion from panel aging. Millions of micro mirrors on the state-of-the-art DMD chip reflect pure light through the color wheel, producing precise details and intensely saturated colors without degradation over time.

Optical Quality Glass Lens

Far superior to plastic lenses, BenQ High Brightness Projectors feature pure all-glass lenses for crystal clear focus and bright, vibrant images.

Hassle-Free Maintenance and Dependable Reliability

Multi-Projector Management via LAN (AMX/CRESTRON/PJ-Link)

IT managers can conveniently operate and check the status of multiple remote projectors via LAN to minimize cost and resources. The LAN interface is compatible with PJ-Link, Crestron, and AMX control systems for convenient system integration with various third-party components.

LAN

| Class room | Lecture room | Meeting room | Auditorium room |
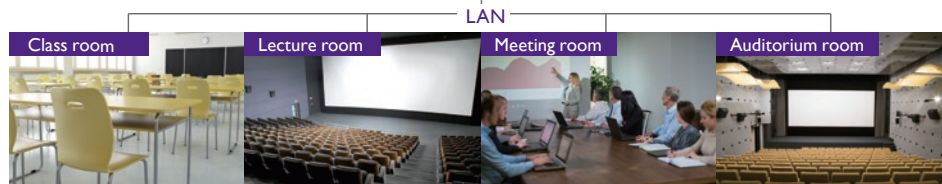
Complete Connectivity: Digital, Analog and Networking Control

A complete set of digital and analog inputs as well as networking control connection terminals give presenters the freedom to utilize various tools and devices to enrich each and every presentation. Installers and IT managers can easily manage multiple projectors over LAN using the integrated RJ45 connection.

Unibody Dust Filter Option

An optional feature on the PX9210 and PU9220, a sleek unibody dust filter facilitates projector maintenance and longevity in especially dusty environments. Unlike clunky conventional two-piece designs, the all-in-one design is neater and easier to remove for cleaning.

* Optional dust filter.

Intuitive Operation and Total Ease of Use

Quick-Release Lens Swap Button

The hot-swappable lens unlocks instantly with the quick-release button to quickly and conveniently change lenses.

Side Chassis Lamp Door

A quick-access side door allows installers and IT managers easy lamp replacement without removing the projector from ceiling-mount or stacked installations.
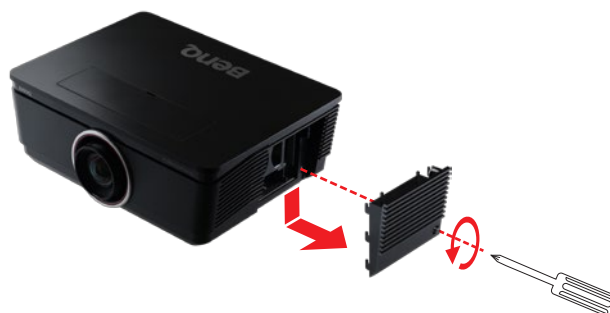
Magnetic Cover

A magnetic cover protects the controls while eliminating pull- and push-forces which can affect precise projector alignment.

Eco-Conscious Standby Modes

Adhering to strict European regulations, networked standby power consumption is cut down to a miserly 6 watts to reduce environmental impact and total cost of ownership. In eco mode, power consumption is even better at a miniscule 0.5 watts.

Specification

Model Name	PX9210	PU9220+
Picture		
Basic Information		
Projection System	DLP	DLP
Native Resolution	XGA (1024x768)	WUXGA(1920X1200)
Brightness	6000 ANSI Lumen	5000 ANSI Lumen
Contrast Ratio	4000:1	4000:1
Display Color	30 Bits (1.07 billion colors)	30 Bits (1.07 billion colors)
Lens (Lens not included)	Wide Fix(5J.JDH37.001) F=2.5, f=11.5mm Wide Zoom(5J.JDH37.011) F=2.05~2.27, f=16.64~19.5 mm Standard(5J.JDH37.021) F=2.46~2.56, f=22.8~28.5mm	Semi Long(5J.JDH37.031) F=2.5~3.1, f=28.5~42.75mm Long Zoom1(5J.JDH37.041) F=2.2~2.5, f=44.5~74.19mm
Aspect Ratio	Native 4:3 (5 aspect ratio selectable)	Native 16:10 (5 aspect ratio selectable)
Throw Ratio	Wide Fix(5J.JDH37.001) 0.8:1(XGA); 0.77:1(WUXGA) Wide Zoom(5J.JDH37.011) 1.14~1.35:1(XGA);1.1~1.3:1(WUXGA) Standard(5J.JDH37.021) 1.6~2.0:1(XGA); 1.54~1.93:1(WUXGA)	Semi Long(5J.JDH37.031) 2.0~3.0:1(XGA); 1.93~2.9:1(WUXGA) Long Zoom1(5J.JDH37.041) 3.11~5.9:1(XGA);3.0~5.0:1(WUXGA)
Image Size (Diagonal)	60"~ 300" (depends on lens)	60"~ 300" (depends on lens)
Zoom Ratio	Wide Fix(5J.JDH37.001) Fixed Wide Zoom(5J.JDH37.011) 1.18X Standard(5J.JDH37.021) 1.25X	Semi Long(5J.JDH37.031) 1.5X Long Zoom1(5J.JDH37.041) 1.67X
Lamp Wattage	370W	
Lamp Life (Normal/Eco)	1500/2000	1500/2000
Keystone Adjustment	1D, Vertical ± 30 degrees	1D, Vertical ± 30 degrees
Lens Shift	**Wide Fix(5J.JDH37.001) -10%~50% Vertical; +-5% Horizontal** Wide Zoom(5J.JDH37.011) -10%~50% Vertical; +-5% Horizontal Standard(5J.JDH37.021) -10%~50% Vertical; +-5% Horizontal	Semi Long(5J.JDH37.031) -10%~50% Vertical; +-5% Horizontal Long Zoom1(5J.JDH37.041) -10%~50% Vertical; +-5% Horizontal
Projection Offset	NA	
Resolution Support	up to WUXGA(1920 x 1200)	
HDTV Compatibility	480i, 480p, 576i, 567p, 720p, 1080i, 1080p	
Video Compatibility	NTSC, PAL, SECAM	NTSC, PAL, SECAM
Horizontal Frequency	15K~90K	15K~90K
Vertical Scan Rate	48Hz~120Hz	48Hz~120Hz
Color Wheel Segment	RYGWB	RYGWB
Color Wheel Speed	2X	2X
Interface		
Computer in (D-sub 15pin)	x 2	x 2
Monitor out (D-sub 15pin)	x 1	x 1
DVI-D	x 1	x 1
HDMI (v1.4a)	x 1	x 1
Composite Video in (RCA)	x 1	x 1
S-Video in (Mini DIN 4pin)	x 1	x 1
Component Video in	x 1 (5BNC)	x 1 (5BNC)
Audio in (Mini Jack)	x 2	x 2
Audio L/R in (RCA)	x 2	x 2
Audio out (Mini Jack)	x 1	x 1
Microphone in (Mini Jack)	No	No
Speaker	5W x2	5W x2
LAN (RJ45)	x 1 (LAN Control)	x 1 (LAN Control)
USB (Type A)	x 1 (Power only)	x 1 (Power only)
USB (Type B)	x 1 (Download)	x 1 (Download)
USB (Type Mini B)	No	No
DC 12V Trigger (3.5mm Jack)	x 1	x 1
RS232 (DB-9pin)	x 1	x 1
Wired Remote (Mini Jack)	x 1	x 1
DisplayPort	x 1	x 1
3D Sync	Yes	Yes
Environment		
Dimensions (WxHxD)	431.0x167.0 x 320.5mm	431.0x167.0 x 320.5mm
Weight	8.6kg (lens excluded)	8.6kg (lens excluded)
Power Supply	AC 100 to 240 V, 50/60 Hz	AC 100 to 240 V, 50/60 Hz
Typical Power Consumption	445W	445W
Stand-by Power Consumption	< 0.5W	< 0.5W
Acoustic Noise (Typ./Eco.)	39/34db	39/34db
Accessories (Standard)		
Remote Control w/ Battery	x 1	x 1
User Manual CD	x 1 (12L)	x 1 (12L)
Quick Start Guide	x 1 (12L)	x 1 (12L)
Warranty Card (by region)	x 1	x 1
VGA(D-sub 15pin) Cable	x 1 (1.8M)	x 1 (1.8M)
Anti-dust Filter	x 1 (optional)	x 1 (optional)
Lens cover	No	No
Unique Accessory	No	No
Accessories (Optional)		
Optional lens	Yes	Yes
Spare Lamp Kit	Yes	Yes
Unique Accessory	Yes	Yes

*Lamp life results will vary depending on environmental conditions and usage.

Distance Chart

PX9210

Screen Size						Wide Fix 0.8ST LS2ST3 5J.JDH37.001		Wide Zoom 1.14~1.34 LS2ST3 5J.JDH37.001				Standard 1.6~2 LS2ST3 5J.JDH37.001				Semi Long 2~3 LS2ST3 5J.JDH37.001				Long Zoom 3.11~5.18 LS2ST3 5J.JDH37.001			
Diagonal		Width		Heigh		NA		Wide		Tele		NA		Wide		Tele		NA		Wide		Tele	
(Inch)	(m)	(Inch)	(m)	(Inch)	(m)	(Inch)	(m)	(Inch)	(m)	(Inch)	(m)	(Inch)	(m)	(Inch)	(m)	(Inch)	(m)	(Inch)	(m)	(Inch)	(m)	(Inch)	(m)
80	2.03	64	1.63	48	1.22	51	1.3	73	1.85	86	2.18	102	2.6	128	3.25	128	3.25	192	4.88	199	5.06	332	8.42
100	2.54	80	2.03	60	1.52	64	1.63	91	2.32	107	2.72	128	3.25	160	4.06	160	4.06	240	6.1	249	6.32	414	10.53
120	3.05	96	2.44	72	1.83	77	1.95	109	2.78	129	3.27	154	3.9	192	4.88	192	4.88	288	7.32	299	7.58	497	12.63
150	3.81	120	3.05	90	2.29	96	2.44	137	3.47	161	4.08	192	4.88	240	6.1	240	6.1	360	9.14	373	9.48	622	15.79
200	5.08	160	4.06	120	3.05	-	-	182	4.63	214	5.45	256	6.5	320	8.13	320	8.13	480	12.19	498	12.64	829	21.05
300	7.62	240	6.1	180	4.57	-	-	274	6.95	322	8.17	-	-	-	-	480	12.19	720	18.29	746	18.96	1243	31.58
400	10.16	320	8.13	240	6.1	-	-	-	-	-	-	-	-	-	-	640	16.26	960	24.38	-	-	-	-
500	12.7	400	10.16	300	7.62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

PU9220+

Screen Size						Wide Fix 0.77ST LS2ST3 5J.JDH37.001		Wide Zoom 1.1~1.3 LS2ST3 5J.JDH37.001				Standard 1.54~1.93 LS2ST3 5J.JDH37.001				Semi Long 1.93~2.9 LS2ST3 5J.JDH37.001				Long Zoom 3~5 LS2ST3 5J.JDH37.001			
Diagonal		Width		Heigh		NA		Wide		Tele		NA		Wide		Tele		NA		Wide		Tele	
(Inch)	(m)	(Inch)	(m)	(Inch)	(m)	(Inch)	(m)	(Inch)	(m)	(Inch)	(m)	(Inch)	(m)	(Inch)	(m)	(Inch)	(m)	(Inch)	(m)	(Inch)	(m)	(Inch)	(m)
80	2.03	68	1.72	42	1.08	52	1.33	75	1.9	88	2.24	104	2.65	131	3.33	131	3.33	197	5	204	5.17	339	8.62
100	2.54	85	2.15	53	1.35	65	1.66	93	2.37	110	2.8	131	3.32	164	4.16	164	4.16	246	6.25	254	6.46	424	10.77
120	3.05	102	2.58	64	1.62	78	1.99	112	2.84	132	3.36	157	3.98	196	4.99	196	4.99	295	7.5	305	7.75	509	12.92
150	3.81	127	3.23	79	2.02	98	2.49	140	3.55	165	4.2	196	4.98	245	6.24	245	6.24	369	9.37	382	9.69	636	16.15
200	5.08	170	4.31	106	2.69	-	-	187	4.74	220	5.6	261	6.63	327	8.31	327	8.31	492	12.49	509	12.92	848	21.54
300	7.62	254	6.46	159	4.04	-	-	280	7.11	331	8.4	-	-	-	-	491	12.47	738	18.74	763	19.39	1272	32.31
400	10.16	339	8.62	212	5.38	-	-	-	-	-	-	-	-	-	-	655	16.63	984	24.99	-	-	-	-
500	12.7	424	10.77	265	6.73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Terminals

PX9210 / PU9220+
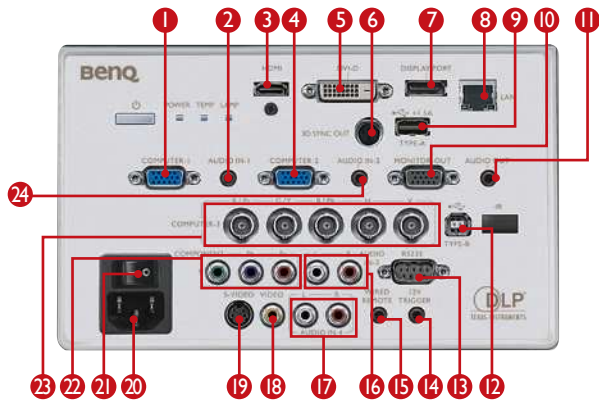
1. COMPUTER-1 input jack
2. AUDIO IN-1 jack
3. COMPUTER-2 input jack
4. HDMI input jack
5. DVI input
6. 3D SYNC OUT jack
7. DISPLAY PORT
8. RJ45 LAN input jack
9. USB TYPE-A port
10. MONITOT-OUT output jack
11. AUDIO OUT jack
12. USB TYPE-B PORT
13. RS232 control port
14. 14. 12V TRIGGER
15. WIRED REMOTE
16. AUDIO IN-3 input jack
17. AUDIO IN-4 input jack
18. VIDEO input jack
19. S-VIDEO input jack
20. AC power cord inlet
21. AC Power switch
22. COMPONENT Y/Pb/Pr input
23. COMPUTER-3, RGBHV(H+V, Y/Pb(CB)/Pr(Cr) input
24. AUDIO IN-2 jack

Lens Table

PX9210/PU9220					
Lens	Wide Fix	Wide Zoom	Standard	Semi Long	Long Zoom1
Model Name	LS2ST3	LS2ST1	LS2SD	LS2LT1	LS2LT2
Part Number	5J.JDH37.001	5J.JDH37.011	5J.JDH37.021	5J.JDH37.031	5J.JDH37.041
Picture					

Ceiling Mount

Part Number	5J.JCY10.001
Picture	

Because it matters

Dealer's Stamp

BenQ Europe B.V.
Meerenakkerweg 1-17
5652 AR Eindhoven
The Netherlands
Tel: +31 88 888 9200
Fax: +31 88 888 9299

BenQ Austria GmbH
Central & Eastern Europe
Anton-Baumgartner Straße
125/1/3,
1230 Vienna
Austria
Tel: +43 166700330
Fax: +43 1667003399

**BenQ Deutschland
GmbH**
Essener Straße 5
46047 Oberhausen
Germany
Tel: +49 208 409420
Fax: +49 208 4094299

**BenQ Deutschland
GmbH**
Niederlassung Österreich
Wehlistraße 27b / Stg. 2 / Top 5
1200 Vienna
Austria
Tel: +43 1 9072760

**BenQ Deutschland
GmbH**
Zweigniederlassung Baden
Täfernstrasse 32
5045 Baden-Dättwil
Switzerland
Tel: +41 44 7439999
Fax: +41 44 7439900

BenQ Benelux B.V.
Meerenakkerweg 1-17,
5652 AR Eindhoven,
The Netherlands
Tel: +31 88 888 9200
Fax: +31 88 888 9299

BenQ Nordic AB
Måttbandsvägen 12
Box 7101
S-187 12 Täby
Sweden
Tel: +46 8 58898800
Fax: +46 8 58898899

BenQ UK Ltd.
3 Staplehurst Office Centre,
Weston-on-the-Green,
Bicester Oxfordshire OX25
3QU
United Kingdom
Tel: +44 870 8504417
Fax: +44 870 8504418

BenQ Italy s.r.l.
Via La Spezia, 1
20142 Milano
Italy
Tel: +39 02 99349501
Fax: +39 02 99349503

BenQ France SAS
Immeuble Pentagone Plaza
381 Avenue du Général de
Gaulle
92140 Clamart
France
Tel: +33-0-1-7037-1717
Fax : +33-0-1-7037-1799

**BenQ Technology
Iberica S.L.U.**
Calle Constitucion, 3 (2-1)
08960 Sant Just Desvern
Spain
Tel: +34 93 5560800
Fax: +34 93 5560899

BenQ Europe B.V.
Representative Office in
Russia
Park Place Moscow, 113/1
Leninsky, Prospekt B-101,
117198 Moscow
Russia
Tel: +7 095 9378532
Fax: +7 095 6265196