BenQ Corporate Laser Projectors

Let Your Innovation
# Shine through True Colors

Enlighten the Next Generation of Trend Leaders

BenQ

Because it matters

Are Your Meetings as Effective as They Should Be?

The hours employees spend in meetings continue to grow. Every day there are at least 25 million corporate meetings held in the United States alone, and by some estimates that number may be as high as 55 million. Middle management spends over 35% of working hours in the meeting room, and upper managers often spend half their time there. Meetings take up a large chunk of a corporation's collective time, but are these meetings efficient?

middle management
35% working hours

upper managers
50% working hours
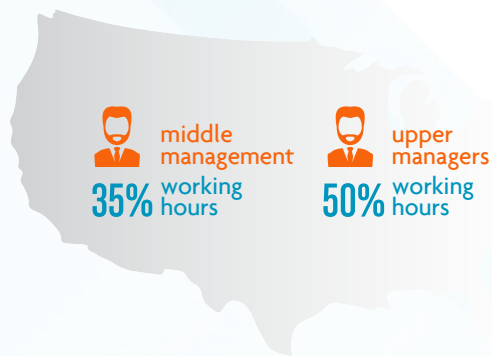
25-55 million meetings everyday

Frustration-Free Design

Efficiency is also affected by invisible factors. One company conducted a survey and found that 69% of presentation teams have encountered technical issues in the meeting room and on average those problems took over 30 minutes to solve. If a meeting is scheduled to last one hour, this means over half of the allotted time is wasted before the meeting even starts. Problems encountered range from everyday issues like extended startup times, mismatched adapters, and poor audio and video quality, to serious issues such as overheating and even complete device failure. These issues aren't minor: one study showed that tech issues in meetings could cost a company with 250 employees over $250,000 a year in lost productivity. With a BenQ Corporate Laser Projector, an organization's meetings will start on time more often and experience fewer hiccups. Powering up quickly, running cool, and featuring easy plug-and-play presentation capability, BenQ Corporate Laser Projectors facilitate smooth meetings and make sure that employees' time is well spent.

Conventional Projector

69% have technical issues
30mins to solve

TECHNICIAN

cost of lost productivity

250 employees
$250,000/year

BenQ Laser Projector

- Power up quickly
- Run cool
- Feature easy plug-and-play

Efficient!

Productivity-Boosting Image Clarity

When image quality is poor, employees have trouble focusing. One study showed that frustrations with display quality could reduce motivation and effort while also increasing anxiety. Accurate, bright color is also important for keeping employees on task, and it's been shown that presentations with colorful content and plentiful visual aids can help employees retain information 82% more effectively. BenQ Corporate Laser Projectors, which use discrete lasers for each of the primary hues, are capable of producing stunning 4K visuals with a wide color gamut. Clear text, vibrant images, and precise color gradients will ensure everyone stays focused and efficient.

82% more efficient!

Research
colorful content and plentiful visual aids

BenQ Laser Projector
discrete lasers for each of the primary hues

4K visuals

No Hidden Expenses or Recurring Costs

Finally there's the issue of consumable cost. Although laser projectors require a higher initial investment, in the long run laser technology is virtually guaranteed to lower TCO. BenQ Corporate Laser Projectors are no exception, delivering greater savings as usage time increases. Whereas a lamp-based projector will need its bulb changed 10 times over 20,000 hours of use, BenQ Corporate Laser Projectors never require bulb replacement. After accounting for the base price and the cost of replacement bulbs, a lamp-based projector of comparable lumen output will cost twice as much to operate and maintain over the course of its life. And that's even not accounting for associated labor costs – one study showed that an organization with 400 projectors could spend up to 7.5 man-weeks every year just replacing bulbs.

Lamp-Based Projector

10 bulb changes
over 20,000 hours of use

Labor Costs
400 projectors could require up to 7.5 man-weeks every year just replacing bulbs

VS

BenQ Laser Projector

0 bulb changes

Laser projectors have been battle-tested in meeting rooms around the world and are continuing to become more efficient and affordable every day. Replacing a lamp-based projector with a BenQ Corporate Laser Projector is no longer just a forward-thinking choice. Because of the savings delivered by dramatically improved image quality, efficiency-boosting features, and drastically reduced maintenance costs, BenQ Corporate Laser Projectors are also the best choice for an organization's bottom line.

Be Honest :
Questions Every Business Needs to Ask

Are Our Meetings Impactful and Effective?

Workplace Trends

82%
Colorful presentations with plentiful visual aids help employees retain information 82% more effectively

Clear, legible text can boost focus and increase employee attention spans

Issues You Should Consider

- Does your business use lots of infographics in presentations?
- Are the images clear enough?
- Is text easy on the eyes?
- Is your meeting equipment maximizing the impact of your presentations?

Features You Need

- BlueCore Technology
- Dual Color Wheels
- Ultra-High Contrast
- Exclusive Infographic Mode
- 4K Resolution
- Constant Brightness Mode
- LumiExpert™ Ambient-Light Detection

Is Our Meeting Room Equipment User-Friendly?

Workplace Trends

74%
74% of IT department managers believe that BYOD improves employees' productivity

50%
Today more than 50% of employees are asked to bring their own device

Presentation teams frequently encounter technical issues that drastically cut into productive meeting

Issues You Should Consider
- Does your meeting equipment allow employees to BYOD?
- Does your meeting room have a wireless projection option?
- Is connecting your meeting projector to a PC or smart device a hassle-free process?
- Is your meeting equipment protected from the security risks BYOD can introduce?
- Do your meeting equipment start up and turn off quickly?

Features You Need
- InstaShow™ Press-and-Show Presentations
- QCast Network Presentations
- QCast Mirror for Simple Sharing
- 4K Resolution
- Constant Brightness Mode

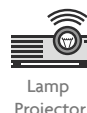# Can We Reduce Recurring Costs?

Workplace Trends

Laser Projector

Laser projectors use no consumables

Lamp Projector

Equipment requires frequent, expensive repair time

The labor costs of replacing bulbs

Issues You Should Consider
- Is your business experiencing a transition period and replacing lots of old equipment?
- Considering the equipment and labor costs involved, is completely overhauling everything once a decade sustainable?
- How can your business reduce the cost and frequency of equipment replacement?

Features You Need
- 20,000-Hour Lifespan
- Dustproof Design
- Life-Extending Economic Mode
- DLP Technology for Color that Never Fades

The Secret to Impactful Meetings :
# BlueCore Technology

The #1 DLP brand in the world, BenQ has designed the Corporate Laser Projector to offer brightness, durability, and performance that far outstrip the competition.

Phosphor Wheel

Color Wheel

SUPERIOR **BRIGHTNESS**

SUPERIOR **PERFORMANCE**

SUPERIOR **DURABILITY**
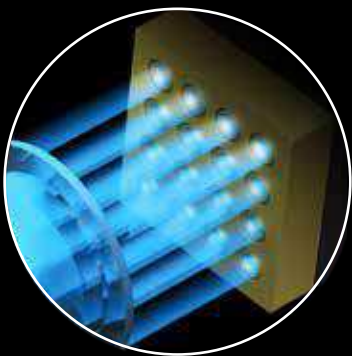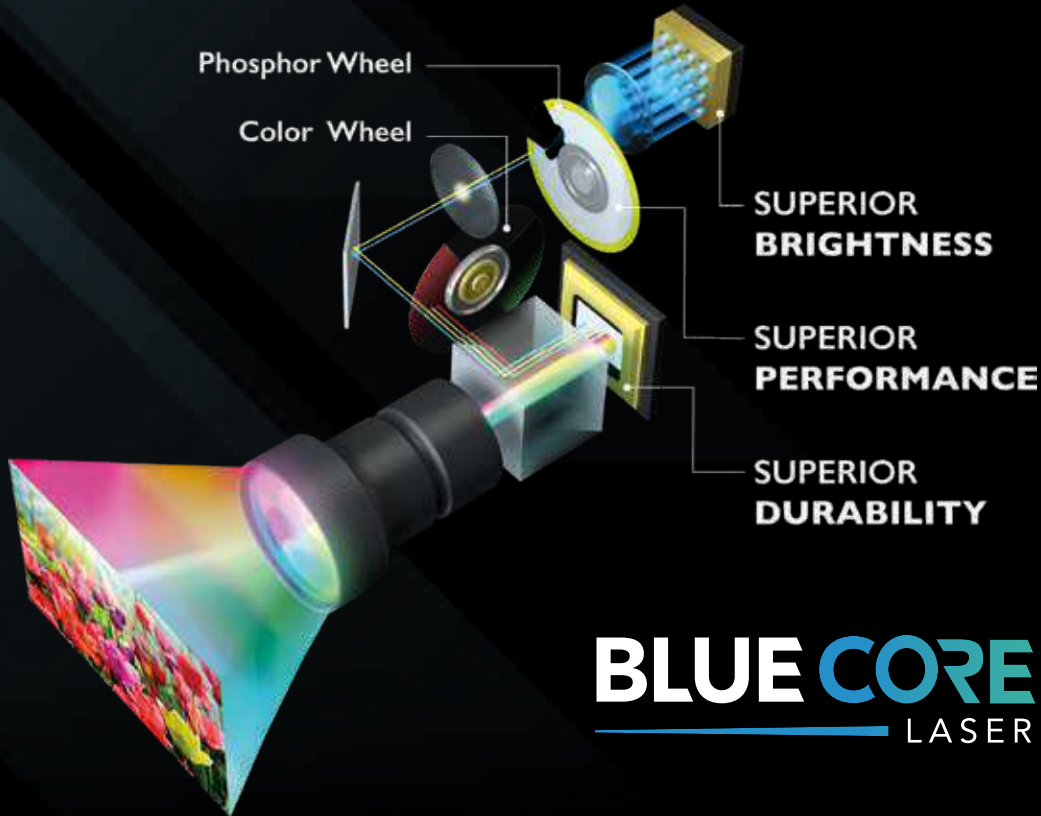
BLUE CORE LASER

Superior Brightness

Precision-Aligned High-Output Laser Source

The zero-deviation alignment of BlueCore laser diodes boosts luminous flux into the light tunnel, improving efficacy.
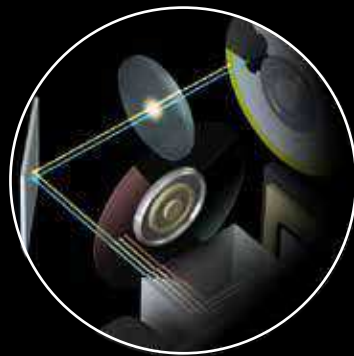
Superior Performance

Secondary Yellow-Infused Color Wheel

The dual synchronized BlueCore color wheel utilizes an additive yellow segment, stimulating precise RGBY spectra for optimal chromatic performance.
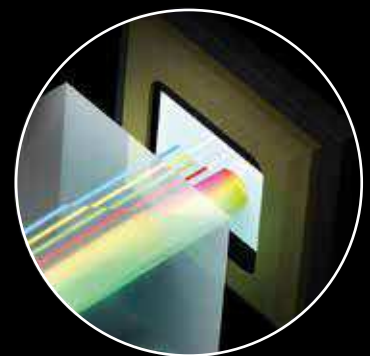
Superior Durability

Hermetically Sealed DLP Chip

Comprising over two million micromirrors that reflect pure light through the color wheel, the DLP chip is hermetically sealed so that it can resist heat for over 100,000 hours without degradation.

# 20,000 Hours of Maintenance-Free Performance

BenQ Corporate Laser Projectors, rated to run 20,000 hours without requiring any consumables, are a reliable and affordable long-term choice. After accounting for upfront price and consumable costs, the BenQ Corporate Laser Projector can deliver savings of over 50% over the course of its life versus a conventional projector*, and the absence of consumables also makes maintenance a breeze.

*Savings calculation based on the price of a lamp projector with the same lumen output and nine replacement bulbs. (Labor cost not included.)

Cost

After 2000 hours of use

100%

50%

BenQ
Laser Projector

Lamp-Based
Projector
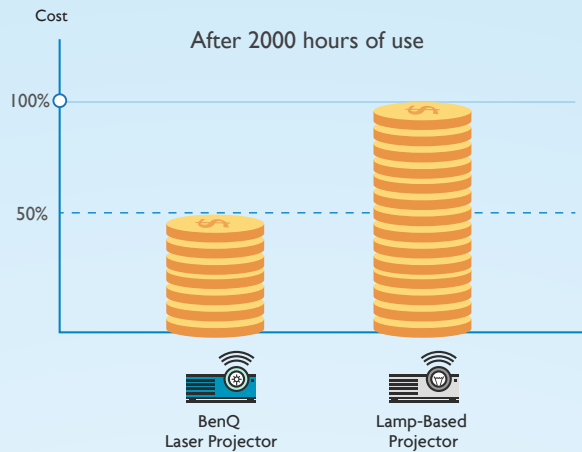
High-Performance Dual Color Wheels
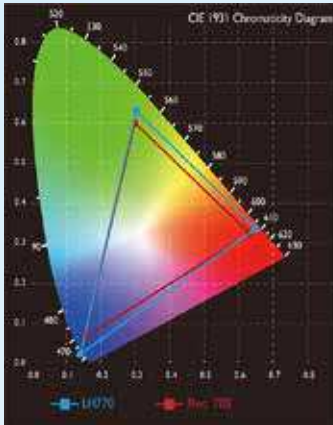
Equipped with a powerful dual color wheel projection system, BenQ Corporate Laser Projectors offer unparalleled color performance. Capable of producing 90%* of the colors in the Rec. 709 standard, the BenQ Corporate Laser Projector ensures that images look just as bright and brilliant on the big screen as on a smaller LCD monitor.

*Exact percentage may differ depending on model.

Instant On/Off and Signal Detection

BenQ Corporate Laser Projectors start up extremely quickly and don't need to warm up or cool down, thereby saving time and boosting meeting efficiency. And for added convenience, the projector can be set to automatically power on when it detects a VGA or HDMI signal, making it the ultimate plug-and-play device.

Brightness

Lamp Based   BlueCore Laser

100%

50%

READY IN
ONLY
6 sec.

Power
On

Light Source
On

Time

Instant Power On

VGA   HDMI
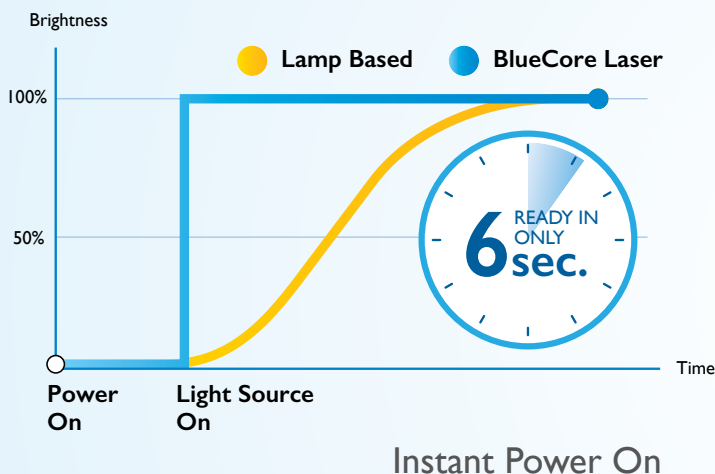
Signal Power On

The Center of Attention :
Best-in-Class Image Quality for Eye-Catching Presentations

Exclusive Infographic Mode

All BenQ Corporate Laser Projectors feature an advanced Infographic Mode that's perfect for enlivening the graphics and stylish text used in modern presentations. Infographic Mode offers enhanced brightness and better color gradation for eye-friendly presentations that are guaranteed to make idea-sharing more precise. Meanwhile, the additional Vivid Mode is a great choice for emphasizing colorful imagery when displaying video or photos.

Infographic Mode

Presentation Mode

Stunning 4K Resolution

Built to project in 4K resolution, BenQ Corporate Laser Projectors ensure HD images will look crisp, show more detail, and make content incredibly clear.

*Available on select models

Non-4K Projector

4K Projector

Conference Room–Ready Brightness

With the power of BlueCore technology, there's no longer any need to turn off the lights during a presentation. Offering up to 5000 lumens of brightness, BenQ Corporate Laser Projectors are capable of delivering clear images in comfortably lit spaces, boosting participants' focus and making images clearer for people sitting in every corner of the room.

5000 ANSI Lumens

BenQ Corporate Projector

Conventional Projector

Ultra-High Laser-Powered Contrast

BenQ Corporate Laser Projectors offer a native contrast ratio of 20,000:1 to deliver blacks that are true, colors that are rich, and details that are strikingly clear. Extra-deep blacks are essential for making dark scenes look realistic and high contrast ensures that employees' presentations look vivid and crisp.

Brightness

Power Control

100%

0%

Bright

Black

Scenes
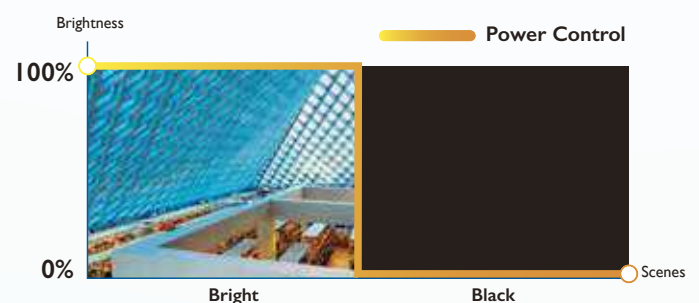
LumiExpert™ Ambient-Light Detection

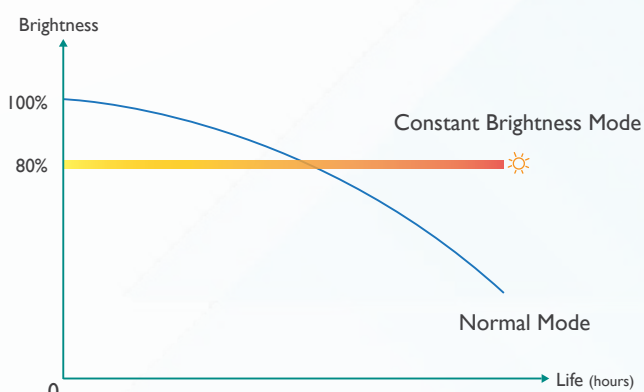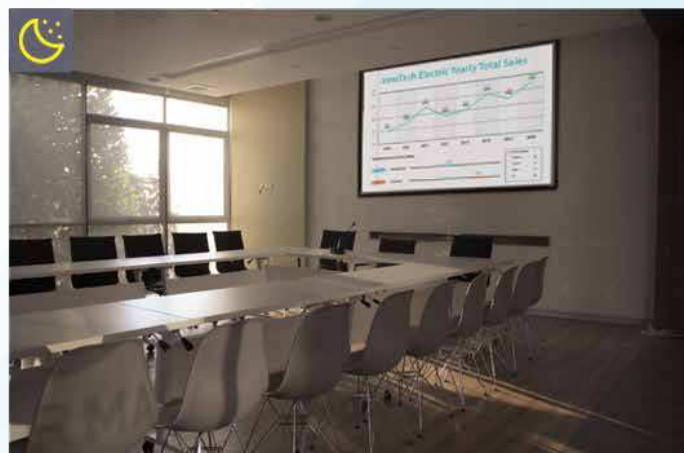BenQ's LumiExpert™ can automatically detect the ambient light conditions of a meeting room and maximize clarity and comfort. Whether presenting in a dark boardroom or a brightly-lit office, LumiExpert™ makes sure the BenQ Corporate Laser Projector delivers peak performance.

*Available on select models

Constant Brightness Mode

BenQ Corporate Laser Projectors are designed to maintain high brightness levels over the long term and are capable of delivering 80% brightness and displaying clear, crisp images for years on end.

*Available on select models

Digital HDMI Output for Multi-Screen Projection

For presentations that want to make an extra impact, multiple projected screens can be used to create an immersive viewing experience that enraptures the audience. Whereas conventional projectors provide an analog VGA output that's subject to signal decay, BenQ Corporate Laser Projectors deliver a perfect digital signal via HDMI. The Corporate Laser Projector can output directly to other projectors or HDMI-compatible devices with no signal degradation, making mirrored images just as eye-catching as the originals.

*Available on select models

A Reliable Presenter :
Cost-Effective, Maintenance-Free Performance

Impressive 20,000-Hour Lifespan

Even after years of daily use, BenQ's Corporate Laser Projectors will continue performing nearly like new. Because BenQ's BlueCore laser technology resists color decay, its Corporate Laser Projectors are ideal for situations where powerful color performance and consistently reliable projection quality are desired.

Brightness

● Lamp Based   ● BlueCore Laser

≤2,000 hrs   20,000 hrs

Life (hours)

0

Brightness

Normal Mode 100%

Economic Mode 75%

0   Life (hours)
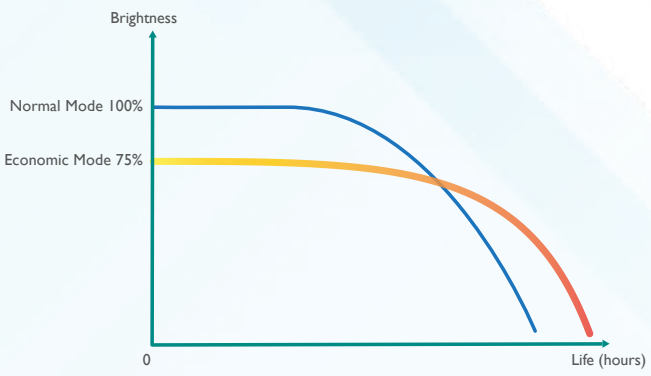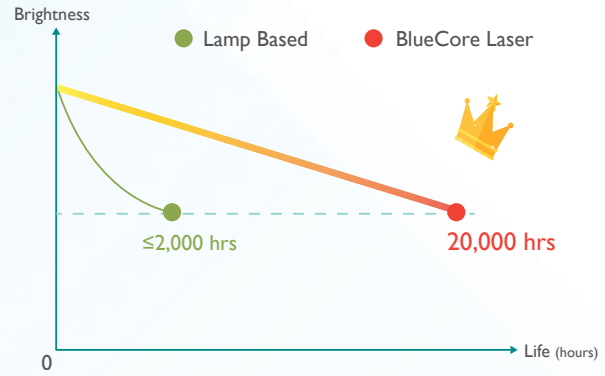
Life-Extending Economic Mode

Economic Mode can help the projector continue to work beyond its rated lifespan. It's perfect for situations when maximum brightness isn't necessary, such as when the projector is used in a dark meeting room or a small private office.

DLP Technology for Color that Never Fades

With BenQ's 1-chip DLP design, which can perform for over 100,000 hours without degrading, BenQ Corporate Laser Projectors can deliver lifelike colors and sharp, clear text for years or even decades.

Comprehensive Dustproof Design

Featuring sealed laser modules and an automatic dust removal system, BenQ Corporate Laser Projectors are designed to offer reliable, long-term performance in many different environments and usage scenarios.
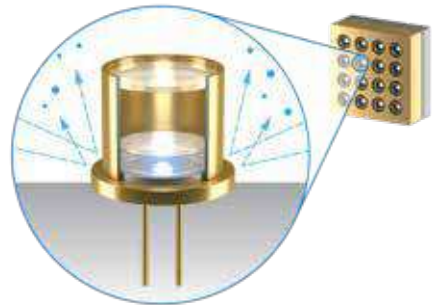
▷ Sealed Engine

BenQ Corporate Laser Projectors are designed with sealed laser modules and enclosed light engines to protect the DMD chip, color wheel sensor, laser bank, and other optical components. The design has been rigorously tested and certified for compliance with the JIS Class IP5X standard.

▷ Anti-Dust Accumulation Sensor to Resist Dust Buildup

Traditional color wheel sensors frequently accumulate dust that can block the IR signal and cause flickering, abnormal colors, and even complete device malfunction. By incorporating a sensor with an ingenious design that prevents dust buildup, BenQ Corporate Laser Projectors offer prolonged optimal performance.
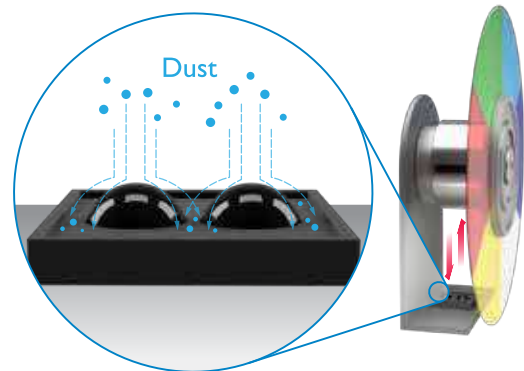
No Limits :
Instant Wireless Presentation and Easy Idea Sharing

Press-and-Show Presentations with InstaShow™
The Streamlined Solution for Large Meetings with Multiple Presenters

Instantly turn any meeting room into a wireless-friendly environment with InstaShow™, the ultimate tool for sharing opinions quickly and making meetings smoother. BenQ's InstaShow™ WDC10 is a plug-and-play, zero-software solution that allows up to 16 participants to present from any device – PC, Mac, and more. InstaShow™ also supports both the 128-bit Advanced Encryption Standard (AES) and WPA2 authentication protocol to ensure that corporate intellectual property remains private and safe from tampering or unintended disclosure.
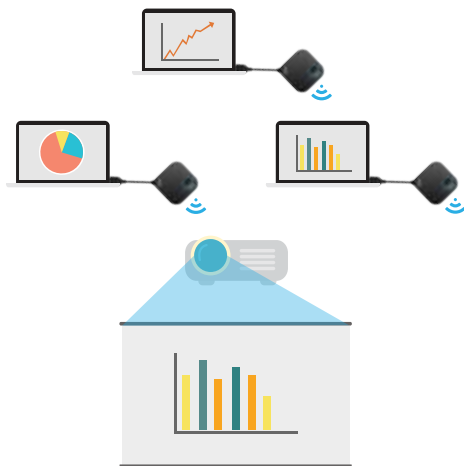
Network Presentations with QCast App
Wireless Presenting Made Easy

When BenQ M7 Series Corporate Projectors are paired with the WDRT WiFi dongle and QCast app, presentations can be delivered wirelessly or via network connection from a PC or smart device. The split-screen feature allows multiple users to share the screen at once and easy management tools facilitate effective meeting control. The QCast app also offers live internet connectivity that makes it easy to browse the web and share online info quickly.

* Available on MH733 / MW732 / MX731 when paired with optional USB wireless dongle WDRT8192.

Wifi Dongle

Simple Sharing with QCast Mirror

The Perfect Partner for Impromptu Meetings and Sharing Information Quickly

In a corporate environment where employees' BYOD needs continue to grow, BenQ's QCast Mirror HDMI Wireless Dongle offers the perfect solution. Requiring no software or app installation, QCast Mirror lets employees quickly and conveniently mirror their screens and share smooth Full HD content, including videos, documents, and live camera feeds, from any compatible device.

* Transmission quality is dependent on the Wi-Fi environment and the device's compatibility with mirror functionality.
  Please visit https://business-display.benq.com for the list of compatible devices.

QCast Mirror
HDMI Wireless Dongle
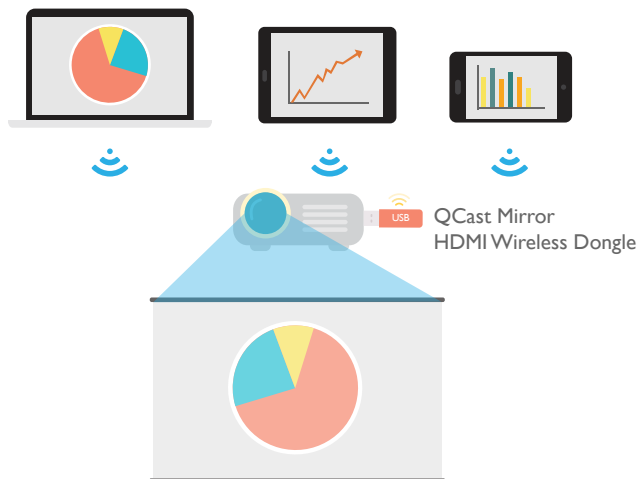
Here, There, Anywhere :
Flexible Installation Options
Even in Restricted Spaces
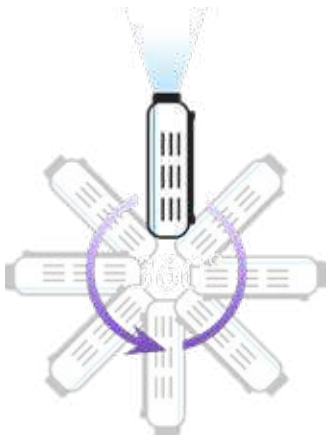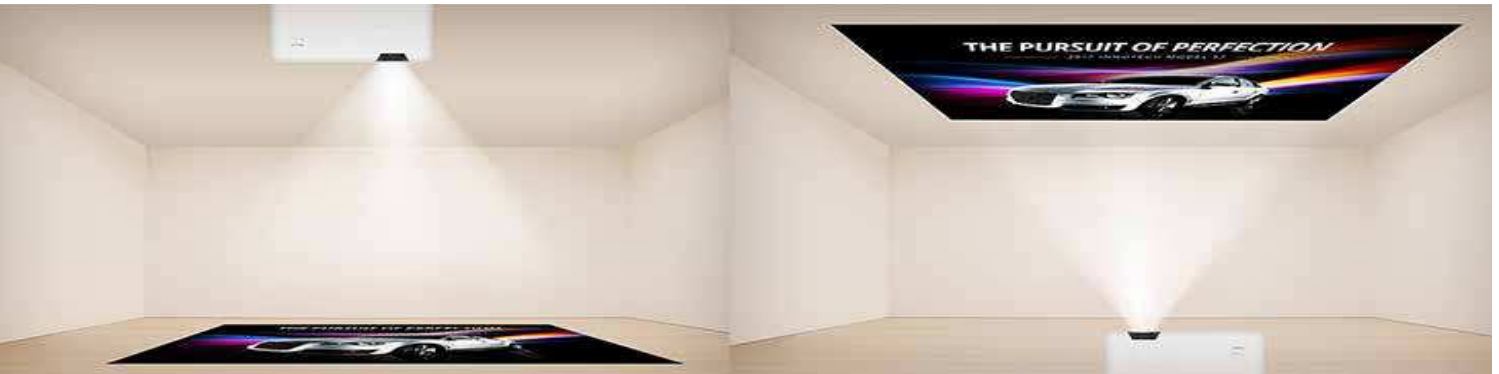
360° Rotation Capability

BenQ Corporate Laser Projectors, which can be installed at any angle, are an ideal solution for projecting images onto ceilings, floors, angled walls, and other surfaces. This 360° projection capability* also makes BenQ Corporate Laser Projectors great for fitting into restricted spaces.

*Available on select models

Advanced Image Calibration

In cases when it's installed off center, the BenQ Corporate Laser Projector can counteract the trapezoid effect with two-dimensional keystone correction that allows vertical and horizontal adjustments of up to ±30°. Meanwhile, the Corner Fit control allows users to adjust each corner of the projection independently, making it easy to achieve perfect image geometry.

Without Cornor Fit Correction

With Cornor Fit Correction

Without Cornor Fit Correction

With Cornor Fit Correction
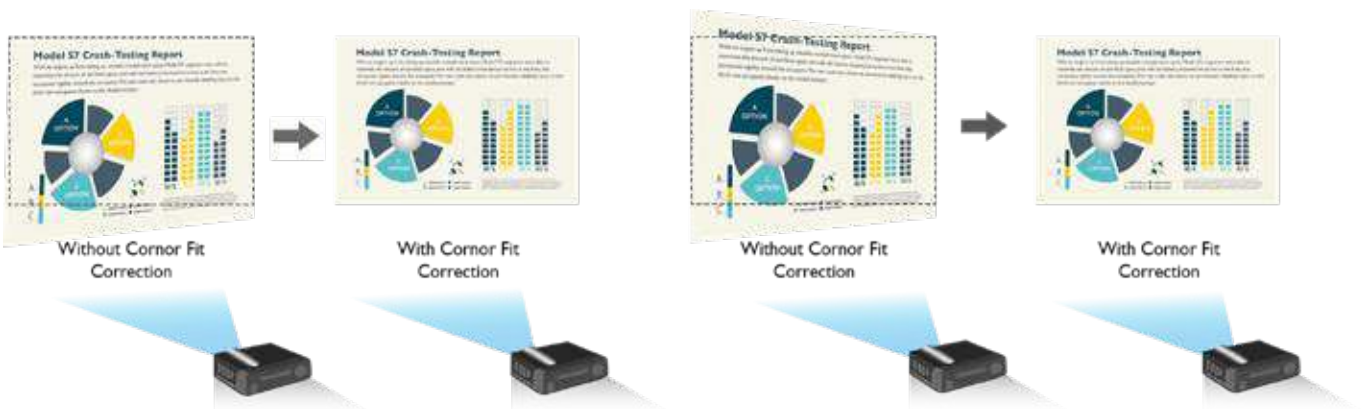
Big Zoom and Lens Shift

Built with wide zoom range and shifting lenses, BenQ Corporate Laser Projectors can present perfectly aligned images in nearly any environment. Lens shift allows for ample vertical and horizontal adjustments with no sacrifices to image quality, while the big zoom feature provides extra flexibility when installing the projector on an existing mount or in a restricted space where other objects like ceiling lights limit installation options.
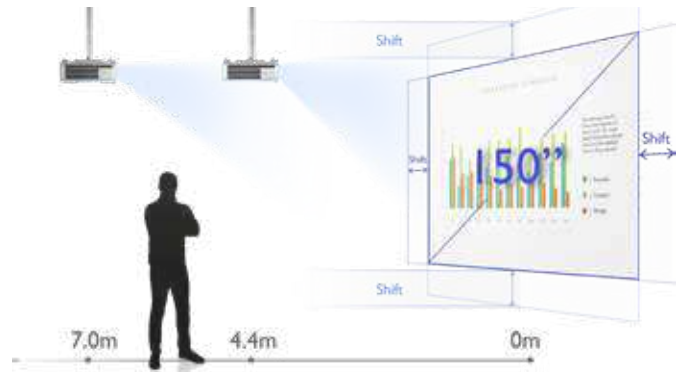
*The throw distance will vary depending on the projector.
Image shows the BenQ LU950

Digital Image Shrinking and Shifting

Digital image shrinking lets installers shrink the image to 75%** of its original size with precise 0.5% increments. Meanwhile, in cases when images are improperly aligned or otherwise out of place, image shifting lets installers make changes without reinstalling or physically adjusting the projector.

* Available on select models
** Percentage may vary by model

Before

Digital Shrink and Shift

After

Image Memory

Image memory lets installers save reference images directly to the projector. By allowing installers to calibrate the device using references they trust, the BenQ Corporate Laser Projector eliminates the need for external image sources that may have inaccurate colors or improper dimensions.

* Available on select models

Memory1
16:9 Content

Memory2
16:10 Content

The Power of One :
Single-Finger Device Management
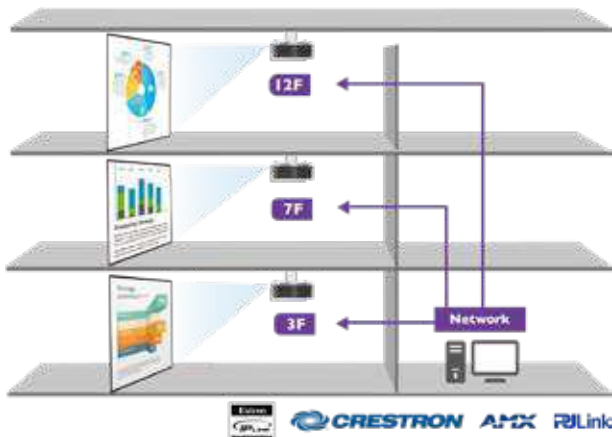
Extensive System Compatibility

BenQ Corporate Laser Projectors are compatible with an assortment of control systems, including Extron, Creston, AMX, and PJ Link. This makes it easy to integrate BenQ Corporate Laser Projectors into existing systems and get everything running smoothly in no time.

BenQ's Exclusive MDA Software

BenQ's Multiple Display Administrator (MDA) software empowers corporations to efficiently handle the operation and maintenance of an entire network of projectors from one centralized location. With its powerful scheduling features and remote on/off capabilities, MDA can streamline how BenQ Corporate Laser Projectors are used in offices and meeting rooms while also lowering TCO.
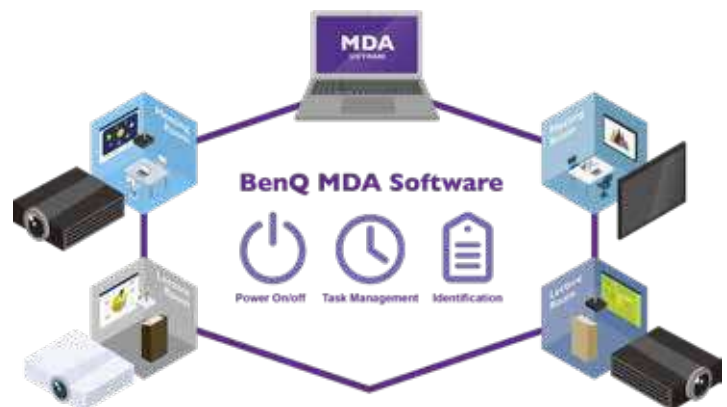
Centralized Upgrade Application for Multiple Projector Maintenance
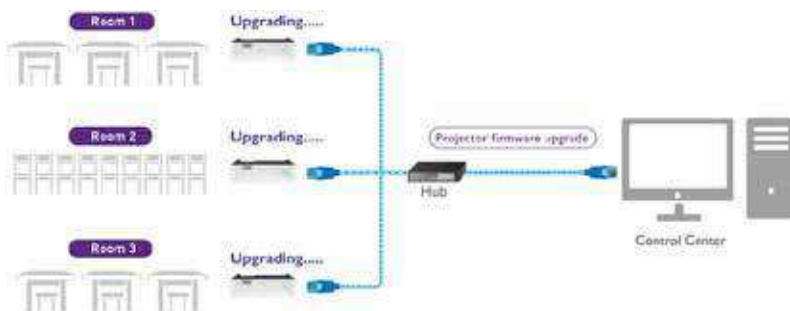
Administrators can centrally upgrade firmware on multiple BenQ projectors that are on the same local network via LAN, deploying the latest updates to up to 253 devices at once. This new application can upgrade firmware with a friendlier interface.

*For more information about the tool, please contact BenQ service.

Projector

Model Name	LK952	LU950	LH770	LX770
Display Projection System	DLP Single 0.47" 4K	DLP Single 0.47" WUXGA	DLP Single 0.65" 1080p	DLP Single 0.55" XGA
DMD Type	DC3 DMD Chip	DC3 DMD Chip	DC3 DMD Chip	DC3 DMD Chip
Native Resolution	4K UHD (3840 x 2160)	WUXGA (1920x1200)	1080P (1920x1080)	XGA (1024x768)
Brightness	5000 ANSI Lumens	5000 ANSI Lumens	5000lm	5000lm
Contrast Ratio*	100,000:1	100,000:1	20000:1	20000:1
Display Color	30 Bits (1.07 billion colors)	30 Bits (1.07 billion colors)	30 Bits (1,07 billion colors)	30 Bits (1,07 billion colors)
Aspect Ratio	Native 16:9 (5 aspect ratio selectable)	Native 16:10 (5 aspect ratio selectable)	16:9	4:3
Light Source	Laser	Laser	Laser	Laser
Light Source Life*	20,000 hrs	20,000 hrs	Normal 20000 hrs	Normal 20000 hrs
Optical Throw Ratio	1.36 ~ 2.18	1.36 ~ 2.18	1.38~2.13	1.81~2.79
Zoom Ratio	1.6x	1.6x	1.5x	1.5x
Lens Control	Manual Zoom and Focus	Manual Zoom and Focus	N/A	N/A
Lens Shift	Vertical: -60%~ +60% Horizontal : -23%~ +23%	Vertical: -60%~ +60% Horizontal : -23%~ +23%	Vertical: 125.7% +/-7.9%Horizontal: 0% +/-4.8%	Vertical: 124.5% +/-7.8%Horizontal: 0% +/-6.3%
Keystone Correction	1D, Vertical ± 30°	2D, Vertical ± 30°/ Horizontal: ± 30°	2D, Vertical ± 30 degrees; Horizontal: ± 30 degrees	2D, Vertical ± 30 degrees; Horizontal: ± 30 degrees
Projection Offset**	0%	0%	125.7%	124.5%
Projection Size (Diagonal)	30" ~ 300"	30" ~ 300"	30"~300"	30"~300"
Audio Built-in Speaker	10W	10W	10Wx1	10Wx1
Special Feature Security	Security Bar,Kensington anti-theft lock slot	Security Bar,Kensington anti-theft lock slot	Security Bar,Kensington anti-theft lock slot	Security Bar,Kensington anti-theft lock slot
Feature	4K, Dicom Simulation Mode, Blank to True Black, 360 degree Projection Corner fit, Custom Lightsource Mode (brightness adjustment), Projector and Remote Control ID Setting, Big Zoom and Lens Shift, Dust Proof Engine, 24/7 Hours Operating, Auto High Altitude Mode	DICOM Simulation Mode, Blank to True Black, 360 degree Projection, Corner fit Custom Lightsource Mode (brightness adjustment), Projector and Remote Control ID Setting, Big Zoom and Lens Shift, Digital Shrink and Shift, Image Memory, Dust Proof Engine, 24/7 Hours Operating, Auto High Altitude Mode	BlueCore Laser, REC709 95%, LAN control,Vertical and Horizontal L/S, 2D Keystone, 1.5X zoom, DustGuard pro,360 degree projection, 7/24 operation	BlueCore Laser, REC709 95%, LAN control,Vertical and Horizontal L/S, 2D Keystone, 1.5X zoom, DustGuard pro,360 degree projection, 7/24 operation
Connectivity I/O Port	Computer In-1 (D-sub 15pin, Female) x1 Monitor out (D-sub 15pin,Female) x1 HDMI (HDCP 2.2) x1 HDMI x2 HDMI Out x1 HDBaseT (RJ45 for Video and Audio Display) x1 USB TypeA(5V/2A power) x1 USB Mini-B (Service) x1 Audio in(mini jack) x1 Audio out (mini jack) x1 LAN Port(RJ45 for Network control) x1 RS232 In (D-sub 9pin, male) x1 Wired Remote In x1 12V Trigger x1	Computer In (D-sub 15pin, Female) x1 Monitor out (D-sub 15pin,Female) x1 HDMI x3 HDMI Out x1 HDBaseT (RJ45 for Video and Audio Display) x1 S-Video in x1 Composite Video(RCA) x1 USB TypeA(5V/2A power) x1 USB Mini-B (Service) x1 Audio in(mini jack) x1 Audio out (mini jack) x1 RCA Audio in- L/R x1 LAN Port(RJ45 for Network control) x1 RS232 In (D-sub 9pin, male) x1 Wired Remote In x1 12V Trigger x1	PC in (D-sub 15pin) x 2 Monitor out (D-sub 15pin) x 1 HDMI x 2/ MHL x 1 Composite Video in (RCA) x 1 S-Video in (Mini Din 4 pin) x 1 Audio in (3.5mm Mini Jack) x 1 Audio L/R in (RCA) x 1 Audio out (3.5mm Mini Jack) x 1 Microphone in (Mini Jack) x 1 LAN (RJ45) x 1 USB Type A-1 (2.0/Power Supply1.5A) x 1 DC 12V Trigger (3.5mm Jack) x 1 USB Type Mini B-1(service) x 1 RS232 (DB-9pin) x 1 IR Receiver x 2 (Front/Top)	PC in (D-sub 15pin) x 2 Monitor out (D-sub 15pin) x 1 HDMI x 2/ MHL x 1 Composite Video in (RCA) x 1 S-Video in (Mini Din 4 pin) x 1 Audio in (3.5mm Mini Jack) x 1 Audio L/R in (RCA) x 1 Audio out (3.5mm Mini Jack) x 1 Microphone in (Mini Jack) x 1 LAN (RJ45) x 1 USB Type A-1 (2.0/Power Supply1.5A) x 1 DC 12V Trigger (3.5mm Jack) x 1 USB Type Mini B-1(service) x 1 RS232 (DB-9pin) x 1 IR Receiver x 2 (Front/Top)
Compatibility Resolution Support	VGA(640 x 480) to 4K (3840 x 2160)	VGA(640x480) to WUXGA_RB(1920x1200) *RB-Reduced Blanking"	VGA(640 x 480) to WUXGA_RB(1920 x 1200) *RB=Reduced blanking	VGA(640 x 480) to WUXGA_RB(1920 x 1200) *RB=Reduced blanking
Horizontal Frequency	15K ~135KHz	15~102KHz	15K~102KHz	15K~102KHz
Vertical Scan Rate	23~120KHz	23~120KHz	23~120KHz	23~120KHz
HDTV Compatibility	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
Video Compatibility	N/A	NTSC, PAL, SECAM	NTSC;PAL;SECAM	NTSC;PAL;SECAM
Power Power Consumptions(Typical)	520W	475W	540W	540W
Standby Power consumption	< 0.5W	<0.5W	<0.5W	<0.5W
Power Supply	100 ~ 240V AC	100 ~ 240V AC	AC 100 to 240 V, 50/60 Hz	AC 100 to 240 V, 50/60 Hz
Dimension and Weight Product Dimensions (WxHxD)	490 x 159 x 380 mm	490 x 159 x 380 mm	538 x 184 x 400 mm	538x184 x 400 mm
Product Weight	10kg	9.4 kg	13.8 kg	13.8 kg
Operation Condition Noise Level (Normal/Eco)	40/38 dBA	37 /35 dBA	35/32 dB	35/32 dB
Operating Temperature	0 ~ 40°C	0 ~ 40°C	0~40℃	0~40℃
Accessories Accessories (Standard)	Power Cord Remote control (RCA011) Lens cover AAA Batteryx2 Installation Guide/Regulatory Statement(Combined) Warranty card(by sku) Anti-dust Filter	Power Cord Remote control (RCA011) Lens cover AAA Batteryx2 Installation Guide/Regulatory Statement(Combined) Warranty card(by sku) Anti-dust Filter	Remote Control w/ Battery (RCS011) Power Cord (by region) VGA (D-sub 15pin) Cable x 1 Warranty Card (by region) Quick Start Guide x 1	Remote Control w/ Battery (RCS011) Power Cord (by region) VGA (D-sub 15pin) Cable x 1 Warranty Card (by region) Quick Start Guide x 1
Accessories (Optional)	Ceiling mount (CMG3)	Ceiling mount (CMG3) 3D glasses InstaShowTM (WDC10)	3D Glasses (5J.J9H25.002) Wireless Dongle - QCast QP01 (5J.JCK28.X01) Ceiling mount Anti-Dust Filter	3D Glasses (5J.J9H25.002) Wireless Dongle - QCast QP01 (5J.JCK28.X01) Ceiling mount Anti-Dust Filter
OSD On Screen Display Language	Arabic/ Bulgarian/ Croatian/ Czech/ Danish/ Dutch/ English/ Finnish/ French/ German/ Greek/ Hindi/ Hungarian/ Italian/ Indonesian/ Japanese/ Korean/ Norwegian /Persian/ Polish/ Portuguese/ Romanian/ Russian/ Simplified Chinese/ Spanish/ Swedish/ Turkish/ Thai/ Traditional Chinese/ Vietnam (30 languages)	Arabic/ Bulgarian/ Croatian/ Czech/ Danish/ Dutch/ English/ Finnish/ French/ German/ Greek/ Hindi/ Hungarian/ Italian/ Indonesian/ Japanese/ Korean/ Norwegian /Persian/ Polish/ Portuguese/ Romanian/ Russian/ Simplified Chinese/ Spanish/ Swedish/ Turkish/ Thai/ Traditional Chinese/ Vietnam (30 languages)	Bulgarian/ Croatian/ Czech/ Danish/ Dutch/ English/ Finnish/ French/ German/ Greek/ Hungarian/ Italian/ Japanese/ Korean/ Norwegian/ Polish/ Portuguese/ Romanian/ Russian/ Simplified Chinese/ Spanish/ Swedish/ Traditional Chinese (22 Languages)	Bulgarian/ Croatian/ Czech/ Danish/ Dutch/ English/ Finnish/ French/ German/ Greek/ Hungarian/ Italian/ Japanese/ Korean/ Norwegian/ Polish/ Portuguese/ Romanian/ Russian/ Simplified Chinese/ Spanish/ Swedish/ Traditional Chinese (22 Languages)

Environment Notice
*LightSource life results will vary depending on environmental conditions and usage. Actual product's features and specifications are subject to change without notice.
*All related Optical Value is measure by Standard Lens.
* The Contrast is measure by Full On Full Off standard.

Projector

Model Name		LH720	LW720	LX720
Display	Projection System	DLP Single 0.65" 1080p	DLP Single 0.65" WXGA	DLP Single 0.55" XGA
	DMD Type	DC3 DMD Chip	DC3 DMD Chip	DC3 DMD Chip
	Native Resolution	1080P (1920x1080)	WXGA (1280x800)	XGA (1024x768)
	Brightness	4000lm	4000lm	4000lm
	Contrast Ratio*	100000:1	100000:1	100000:1
	Display Color	30 Bits (1,07 billion colors)	30 Bits (1,07 billion colors)	30 Bits (1,07 billion colors)
	Aspect Ratio	16:9	16:10	4:3
	Light Source	Laser	Laser	Laser
	Light Source Life*	Normal 20000 hrs	Normal 20000 hrs	Normal 20000 hrs
Optical	Throw Ratio	1.38~2.13	1.45~2.24	1.82~2.81
	Zoom Ratio	1.5x	1.5x	1.5x
	Lens Shift	Vertical: 116% +14%	Vertical: 112.5% +12.5%	Vertical: 115% +24%
	Keystone Correction	2D, Vertical ± 30 degrees; Horizontal: ± 30 degrees	2D, Vertical ± 30 degrees; Horizontal: ± 30 degrees	2D, Vertical ± 30 degrees; Horizontal: ± 30 degrees
	Projection Offset**	116%	112.5%	115%
	Projection Size (Diagonal)	30"~300"	30"~300"	30"~300"
Audio	Built-in Speaker	10Wx1	10Wx1	10Wx1
Special Feature	Security	Security Bar,Kensington anti-theft lock slot	Security Bar,Kensington anti-theft lock slot	Security Bar,Kensington anti-theft lock slot
	Feature	BlueCore Laser, REC709 90%, LumiExpert, DustGuard pro, LAN control, FW upgrade via LAN, Vertical L/S, 2D Keystone, 1.5X zoom	BlueCore Laser, REC709 90%, LumiExpert, DustGuard pro, LAN control, FW upgrade via LAN, Vertical L/S, 2D Keystone, 1.5X zoom	BlueCore Laser, REC709 90%, LumiExpert, DustGuard pro, LAN control, FW upgrade via LAN, Vertical L/S, 2D Keystone, 1.5X zoom
Connectivity	I/O Port	PC in (D-sub 15pin) x 2 Monitor out (D-sub 15pin) x 1 HDMI x 2/ MHL x 1 Composite Video in (RCA) x 1 S-Video in (Mini Din 4 pin) x 1 Audio in (3.5mm Mini Jack) x 1 Audio L/R in (RCA) x 1 Audio out (3.5mm Mini Jack) x 1 Microphone in (Mini Jack) x 1 LAN (RJ45) x 1 USB Type A-1 (2.0/Power Supply1.5A) x 1 DC 12V Trigger (3.5mm Jack) x 1 USB Type Mini B-1(service/Page up&down) x 1 RS232 (DB-9pin) x 1 IR Receiver x 2 (Front/Top)	PC in (D-sub 15pin) x 2 Monitor out (D-sub 15pin) x 1 HDMI x 2/ MHL x 1 Composite Video in (RCA) x 1 S-Video in (Mini Din 4 pin) x 1 Audio in (3.5mm Mini Jack) x 1 Audio L/R in (RCA) x 1 Audio out (3.5mm Mini Jack) x 1 Microphone in (Mini Jack) x 1 LAN (RJ45) x 1 USB Type A-1 (2.0/Power Supply1.5A) x 1 DC 12V Trigger (3.5mm Jack) x 1 USB Type Mini B-1(service/Page up&down) x 1 RS232 (DB-9pin) x 1 IR Receiver x 2 (Front/Top)	PC in (D-sub 15pin) x 2 Monitor out (D-sub 15pin) x 1 HDMI x 2/ MHL x 1 Composite Video in (RCA) x 1 S-Video in (Mini Din 4 pin) x 1 Audio in (3.5mm Mini Jack) x 1 Audio L/R in (RCA) x 1 Audio out (3.5mm Mini Jack) x 1 Microphone in (Mini Jack) x 1 LAN (RJ45) x 1 USB Type A-1 (2.0/Power Supply1.5A) x 1 DC 12V Trigger (3.5mm Jack) x 1 USB Type Mini B-1(service/Page up&down) x 1 RS232 (DB-9pin) x 1 IR Receiver x 2 (Front/Top)
Compatibility	Resolution Support	VGA(640 x 480) to WUXGA_RB(1920 x 1200) *RB=Reduced blanking	VGA(640 x 480) to WUXGA_RB(1920 x 1200) *RB=Reduced blanking	VGA(640 x 480) to WUXGA_RB(1920 x 1200) *RB=Reduced blanking
	Horizontal Frequency	15K~102KHz	15K~102KHz	15K~102KHz
	Vertical Scan Rate	23~120KHz	23~120KHz	23~120KHz
	HDTV Compatibility	1080i;1080p;480i;480p;576i;576p;720p	1080i;1080p;480i;480p;576i;576p;720p	1080i;1080p;480i;480p;576i;576p;720p
	Video Compatibility	NTSC;PAL;SECAM	NTSC;PAL;SECAM	NTSC;PAL;SECAM
Power	Power Consumptions(Typical)	300W	300W	300W
	Standby Power consumption	<0.5W	<0.5W	<0.5W
	Power Supply	AC 100 to 240 V, 50/60 Hz	AC 100 to 240 V, 50/60 Hz	AC 100 to 240 V, 50/60 Hz
Dimension and Weight	Product Dimensions (WxHxD)	410 x 158 x 272 mm	410 x 158 x 272 mm	410 x 158 x 272 mm
	Product Weight	5.6 kg	5.6 kg	5.6 kg
Operation Condition	Noise Level (Normal/Eco)	33 /29 dB	33 /29 dB	33 /29 dB
	Operating Temperature	0~40℃	0~40℃	0~40℃
Accessories	Accessories (Standard)	Remote Control w/ Battery (RCE015) Power Cord (by region) VGA (D-sub 15pin) Cable x 1 Warranty Card (by region) User Manual CD x 1 Quick Start Guide x 1	Remote Control w/ Battery (RCE015) Power Cord (by region) VGA (D-sub 15pin) Cable x 1 Warranty Card (by region) User Manual CD x 1 Quick Start Guide x 1	Remote Control w/ Battery (RCE015) Power Cord (by region) VGA (D-sub 15pin) Cable x 1 Warranty Card (by region) User Manual CD x 1 Quick Start Guide x 1
	Accessories (Optional)	3D Glasses (5J.J9H25.002) Wireless Dongle - WDRT8192 USB Dongle(5J.J3F28.X01) Wireless Dongle - QCast Mirror QP20 (5A.JH328.10X) Wireless Dongle - QCast QP01 (5J.JCK28.X01) Ceiling mount Anti-Dust Filter (FTFS01)	3D Glasses (5J.J9H25.002) Wireless Dongle - WDRT8192 USB Dongle(5J.J3F28.X01) Wireless Dongle - QCast Mirror QP20 (5A.JH328.10X) Wireless Dongle - QCast QP01 (5J.JCK28.X01) Ceiling mount Anti-Dust Filter (FTFS01)	3D Glasses (5J.J9H25.002) Wireless Dongle - WDRT8192 USB Dongle(5J.J3F28.X01) Wireless Dongle - QCast Mirror QP20 (5A.JH328.10X) Wireless Dongle - QCast QP01 (5J.JCK28.X01) Ceiling mount Anti-Dust Filter (FTFS01)
OSD	On Screen Display Language	Arabic/Bulgarian/ Croatian/ Czech/ Danish/ Dutch/ English/ Finnish/ French/ German/ Greek/ Hindi/ Hungarian/ Italian/ Indonesian/ Japanese/ Korean/ Norwegian/ Polish/ Portuguese/ Romanian/ Russian/ Simplified Chinese/Spanish/ Swedish/ Turkish/ Thai/ Traditional Chinese (28 languages)		

Environment Notice
*LightSource life results will vary depending on environmental conditions and usage. Actual product's features and specifications are subject to change without notice.
*All related Optical Value is measure by Standard Lens.
* The Contrast is measure by Full On Full Off standard.

SU754	SH753	SW752	SX751
DLP Single 0.55" WUXGA	DLP Single 0.65" 1080p	DLP Single 0.65" WXGA	DLP Single 0.55" XGA
DC3 DMD Chip	DC3 DMD Chip	DC3 DMD Chip	DC3 DMD Chip
WUXGA (1920x1200)	1080P (1920x1080)	WXGA (1280x800)	XGA (1024x768)
4700lm	4300lm	4700lm	4300lm
13000:1	13000:1	13000:1	13000:1
30 Bits (1,07 billion colors)	30 Bits (1,07 billion colors)	30 Bits (1,07 billion colors)	30 Bits (1,07 billion colors)
16:10	16:9	16:10	4:3
Lamp	Lamp	Lamp	Lamp
Economic 3500 hrs;Normal 2500 hrs; SmartEco 4500 hrs	Economic 3500 hrs;Normal 2500 hrs; SmartEco 4500 hrs	Economic 3500 hrs;Normal 2500 hrs; SmartEco 4500 hrs	Economic 3500 hrs;Normal 2500 hrs; SmartEco 4500 hrs
1.39~2.09	1.39~2.09	1.46~2.2	1.83~2.75
1.5x	1.5x	1.5x	1.5x
N/A	N/A	N/A	N/A
2D, Vertical ± 30 degrees; Horizontal: ± 30 degrees	2D, Vertical ± 30 degrees; Horizontal: ± 30 degrees	2D, Vertical ± 30 degrees; Horizontal: ± 30 degrees	2D, Vertical ± 30 degrees; Horizontal: ± 30 degrees
108%	115%	110%	115%
30"~300"	30"~300"	30"~300"	30"~300"
10Wx1	10Wx1	10Wx1	10Wx1
Security Bar,Kensington anti-theft lock slot	Security Bar,Kensington anti-theft lock slot	Security Bar,Kensington anti-theft lock slot	Security Bar,Kensington anti-theft lock slot
LAN Control, 2D Keystone,1.5X Zoom, Infographic mode	LAN Control, 2D Keystone,1.5X Zoom, Infographic mode	LAN Control, 2D Keystone,1.5X Zoom, Infographic mode	LAN Control, 2D Keystone,1.5X Zoom, Infographic mode
PC in (D-sub 15pin) x 1 Monitor out (D-sub 15pin) x 1 HDMI x 2/ MHL x 1 Composite Video in (RCA) x 1 S-Video in (Mini Din 4 pin) x 1 Audio in (3.5mm Mini Jack) x 1 Audio L/R in (RCA) x 1 Audio out (3.5mm Mini Jack) x 1 Microphone in (Mini Jack) x 1 LAN (RJ45) x 1 USB Type A-1 (2.0/Power Supply1.5A) x 1 DC 12V Trigger (3.5mm Jack) x 1 USB Type Mini B-1(service/Page up&down) x 1 RS232 (DB-9pin) x 1 IR Receiver x 2 (Front/Top)	PC in (D-sub 15pin) x 1 Monitor out (D-sub 15pin) x 1 HDMI x 2/ MHL x 1 Composite Video in (RCA) x 1 S-Video in (Mini Din 4 pin) x 1 Audio in (3.5mm Mini Jack) x 1 Audio L/R in (RCA) x 1 Audio out (3.5mm Mini Jack) x 1 Microphone in (Mini Jack) x 1 LAN (RJ45) x 1 USB Type A-1 (2.0/Power Supply1.5A) x 1 DC 12V Trigger (3.5mm Jack) x 1 USB Type Mini B-1(service/Page up&down) x 1 RS232 (DB-9pin) x 1 IR Receiver x 2 (Front/Top)	PC in (D-sub 15pin) x 1 Monitor out (D-sub 15pin) x 1 HDMI x 2/ MHL x 1 Composite Video in (RCA) x 1 S-Video in (Mini Din 4 pin) x 1 Audio in (3.5mm Mini Jack) x 1 Audio L/R in (RCA) x 1 Audio out (3.5mm Mini Jack) x 1 Microphone in (Mini Jack) x 1 LAN (RJ45) x 1 USB Type A-1 (2.0/Power Supply1.5A) x 1 DC 12V Trigger (3.5mm Jack) x 1 USB Type Mini B-1(service/Page up&down) x 1 RS232 (DB-9pin) x 1 IR Receiver x 2 (Front/Top)	PC in (D-sub 15pin) x 1 Monitor out (D-sub 15pin) x 1 HDMI x 2/ MHL x 1 Composite Video in (RCA) x 1 S-Video in (Mini Din 4 pin) x 1 Audio in (3.5mm Mini Jack) x 1 Audio L/R in (RCA) x 1 Audio out (3.5mm Mini Jack) x 1 Microphone in (Mini Jack) x 1 LAN (RJ45) x 1 USB Type A-1 (2.0/Power Supply1.5A) x 1 DC 12V Trigger (3.5mm Jack) x 1 USB Type Mini B-1(service/Page up&down) x 1 RS232 (DB-9pin) x 1 IR Receiver x 2 (Front/Top)
VGA(640 x 480) to WUXGA_RB(1920 x 1200) *RB=Reduced blanking	VGA(640 x 480) to WUXGA_RB(1920 x 1200) *RB=Reduced blanking	VGA(640 x 480) to WUXGA_RB(1920 x 1200) *RB=Reduced blanking	VGA(640 x 480) to WUXGA_RB(1920 x 1200) *RB=Reduced blanking
15K~102KHz	15K~102KHz	15K~102KHz	15K~102KHz
23~120KHz	23~120KHz	23~120KHz	23~120KHz
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
NTSC;PAL;SECAM	NTSC;PAL;SECAM	NTSC;PAL;SECAM	NTSC;PAL;SECAM
365W	365W	365W	365W
<0.5W	<0.5W	<0.5W	<0.5W
AC 100 to 240 V, 50/60 Hz	AC 100 to 240 V, 50/60 Hz	AC 100 to 240 V, 50/60 Hz	AC 100 to 240 V, 50/60 Hz
314 x117 x 233 mm	314 x117 x 233 mm	314 x117 x 233 mm	314 x 117 x 233 mm
3.3 kg	3.3 kg	3.3 kg	3.3 kg
36/31 dB	36/31 dB	36/31 dB	36/31 dB
0~40℃	0~40℃	0~40℃	0~40℃
Remote Control w/ Battery (RCS011) Power Cord (by region) VGA (D-sub 15pin) Cable x 1 Warranty Card (by region) User Manual CD x 1 Quick Start Guide x 1	Remote Control w/ Battery (RCS011) Power Cord (by region) VGA (D-sub 15pin) Cable x 1 Warranty Card (by region) User Manual CD x 1 Quick Start Guide x 1	Remote Control w/ Battery (RCS011) Power Cord (by region) VGA (D-sub 15pin) Cable x 1 Warranty Card (by region) User Manual CD x 1 Quick Start Guide x 1	Remote Control w/ Battery (RCS011) Power Cord (by region) VGA (D-sub 15pin) Cable x 1 Warranty Card (by region) User Manual CD x 1 Quick Start Guide x 1
Spare Lamp Kit (5J.JFG05.001) 3D Glasses (5J.J9H25.002) RS232 Cable Carry Bag Wireless Dongle - QCast (5J.JCK28.X01) Wireless Kit - InstaShow WDC10 (5J.JF828.X30)	Spare Lamp Kit (5J.JFG05.001) 3D Glasses (5J.J9H25.002) RS232 Cable Carry Bag Wireless Dongle - QCast (5J.JCK28.X01) Wireless Kit - InstaShow WDC10 (5J.JF828.X30)	Spare Lamp Kit (5J.JFG05.001) 3D Glasses (5J.J9H25.002) RS232 Cable Carry Bag Wireless Dongle - QCast (5J.JCK28.X01) Wireless Kit - InstaShow WDC10 (5J.JF828.X30)	Spare Lamp Kit (5J.JFG05.001) 3D Glasses (5J.J9H25.002) RS232 Cable Carry Bag Wireless Dongle - QCast (5J.JCK28.X01) Wireless Kit - InstaShow WDC10 (5J.JF828.X30)

Arabic/Bulgarian/ Croatian/ Czech/ Danish/ Dutch/ English/ Finnish/ French/ German/ Greek/ Hindi/ Hungarian/ Italian/ Indonesian/ Japanese/ Korean/ Norwegian/ Polish/ Portuguese/ Romanian/ Russian/ Simplified Chinese/Spanish/ Swedish/ Turkish/ Thai/ Traditional Chinese (28 languages)

Projector

Model Name		MH733	MW732	MX731	MH760
Display	Projection System	DLP Single 0.65" 1080p	DLP Single 0.65" WXGA	DLP Single 0.55" XGA	DLP Single 0.65" 1080p
	DMD Type	DC3 DMD Chip	DC3 DMD Chip	DC3 DMD Chip	DC3 DMD Chip
	Native Resolution	1080P (1920x1080)	WXGA (1280x800)	XGA (1024x768)	1080P (1920x1080)
	Brightness	4000lm	4000lm	4000lm	5000lm
	Contrast Ratio*	16000:1	20000:1	20000:1	3000:1
	Display Color	30 Bits (1,07 billion colors)	30 Bits (1,07 billion colors)	30 Bits (1,07 billion colors)	30 Bits (1,07 billion colors)
	Aspect Ratio	16:9	16:10	4:3	16:9
	Light Source	Lamp	Lamp	Lamp	Lamp
	Light Source Life*	Economic 8000 hrs;LampSave 15000 hrs;Normal 4000 hrs;SmartEco 8000 hrs	Economic 8000 hrs;LampSave 15000 hrs;Normal 4000 hrs;SmartEco 8000 hrs	Economic 8000 hrs;LampSave 15000 hrs;Normal 4000 hrs;SmartEco 8000 hrs	Normal 2000 hrs;Economic 2500 hrs
Optical	Throw Ratio	1.15~1.5	1.21~1.57	1.51~1.97	1.15-1.5
	Zoom Ratio	1.3x	1.3x	1.3x	1.3x
	Lens Shift	N/A	N/A	N/A	Vertical: 109%+6%
	Keystone Correction	2D, (Auto)Vertical ± 30 degrees/ Horizontal ± 20 degrees	2D, (Auto)Vertical ± 30 degrees/ Horizontal ± 20 degrees	2D, (Auto)Vertical ± 30 degrees/ Horizontal ± 20 degrees	2D, Vertical ± 30 degrees; Horizontal ± 30 degrees
	Projection Offset**	115%	110%	107.50%	109%
	Projection Size (Diagonal)	30"~300"	30"~300"	30"~300"	30"~300"
Audio	Built-in Speaker	10Wx1	10Wx1	10Wx1	10W x 2
Special Feature	Security	Security Bar,Kensington anti-theft lock slot	Security Bar,Kensington anti-theft lock slot	Security Bar,Kensington anti-theft lock slot	Security Bar,Kensington anti-theft lock slot
	Feature	LAN Control,Network Display, USB Reader,2D Keystone,Infographic mode	LAN Control,Network Display, USB Reader,2D Keystone,Infographic mode	LAN Control,Network Display, USB Reader,2D Keystone,Infographic mode	LAN Control, Vertical Lens Shift, 2D keystone, 1.3x Zoom
Connectivity	I/O Port	PC in (D-sub 15pin) x 1 Monitor out (D-sub 15pin) x 1 HDMI x 2/ MHL x 1 Audio in (3.5mm Mini Jack) x 1 Audio out (3.5mm Mini Jack) x 1 LAN (RJ45) x 1 USB Type A-1 (2.0/Power Supply1.0A/ Reader) x 1 USB Type A-2 (2.0/Power Supply1.0A/ Wireless Dongle) x 1 USB Type Mini B-1(service/Page up&down) x 1 RS232 (DB-9pin) x 1 IR Receiver x 2 (Front/Top)	PC in (D-sub 15pin) x 1 Monitor out (D-sub 15pin) x 1 HDMI x 2/ MHL x 1 Audio in (3.5mm Mini Jack) x 1 Audio out (3.5mm Mini Jack) x 1 LAN (RJ45) x 1 USB Type A-1 (2.0/Power Supply1.0A/ Reader) x 1 USB Type A-2 (2.0/Power Supply1.0A/ Wireless Dongle) x 1 USB Type Mini B-1(service/Page up&down) x 1 RS232 (DB-9pin) x 1 IR Receiver x 2 (Front/Top)	PC in (D-sub 15pin) x 1 Monitor out (D-sub 15pin) x 1 HDMI x 2/ MHL x 1 Audio in (3.5mm Mini Jack) x 1 Audio out (3.5mm Mini Jack) x 1 LAN (RJ45) x 1 USB Type A-1 (2.0/Power Supply1.0A/ Reader) x 1 USB Type A-2 (2.0/Power Supply1.0A/Wireless Dongle) x 1 USB Type Mini B-1(service/Page up&down) x 1 RS232 (DB-9pin) x 1 IR Receiver x 2 (Front/Top)	PC in (D-sub 15pin) x 1 Monitor out (D-sub 15pin) x 1 HDMI x 2/ MHL x 1 Composite Video in (RCA) x 1 S-Video in (Mini Din 4 pin) x 1 Audio in (3.5mm Mini Jack) x 1 Audio L/R in (RCA) x 1 Audio out (3.5mm Mini Jack) x 1 Microphone in (Mini Jack) x 1 LAN (RJ45) x 1 USB Type A-1 (2.0/Power Supply1.5A) x 1 DC 12V Trigger (3.5mm Jack) x 1 USB Type Mini B-1(service/Page up&down) x 1 RS232 (DB-9pin) x 1 IR Receiver x 2 (Front/Top)
Compatibility	Resolution Support	VGA(640 x 480) to WUXGA_RB(1920 x 1200) *RB=Reduced blanking	VGA(640 x 480) to WUXGA_RB(1920 x 1200) *RB=Reduced blanking	VGA(640 x 480) to WUXGA_RB(1920 x 1200) *RB=Reduced blanking	VGA(640 x 480) to WUXGA_RB(1920 x 1200) *RB=Reduced blanking
	Horizontal Frequency	15K~102KHz	15K~102KHz	15K~102KHz	15K~102KHz
	Vertical Scan Rate	23~120Hz	23~120Hz	23~120Hz	23~120Hz
	HDTV Compatibility	1080i;1080p;480i;480p;576i;576p;720p	1080i;1080p;480i;480p;576i;576p;720p	1080i;1080p;480i;480p;576i;576p;720p	480i;480p;576i;576p;720p;1080i;1080p
	Video Compatibility	NTSC;PAL;SECAM	NTSC;PAL;SECAM	NTSC;PAL;SECAM	NTSC;PAL;SECAM
Power	Power Consumptions(Typical)	320W	320W	320W	490W
	Standby Power consumption	<0.5W	<0.5W	<0.5W	<0.5W
	Power Supply	AC 100 to 240 V, 50/60 Hz	AC 100 to 240 V, 50/60 Hz	AC 100 to 240 V, 50/60 Hz	AC 100 to 240 V, 50/60 Hz
Dimension and Weight	Product Dimensions (WxHxD)	296 x 120 x 221 mm	296 x120 x 221 mm	296 x120 x 221 mm	411.4x118.4x267.5 mm
	Product Weight	2.5 kg	2.5 kg	2.5 kg	4.9 kg
Operation Condition	Noise Level (Normal/Eco)	33/29 dB	33/29 dB	33/29 dB	36/33 dB
	Operating Temperature	0~40℃	0~40℃	0~40℃	0~40℃
Accessories	Accessories (Standard)	Remote Control w/ Battery (RCE013) Power Cord (by region) VGA (D-sub 15pin) Cable x 1 Warranty Card (by region) User Manual CD x 1 Quick Start Guide x 1	Remote Control w/ Battery (RCE013) Power Cord (by region) VGA (D-sub 15pin) Cable x 1 Warranty Card (by region) User Manual CD x 1 Quick Start Guide x 1	Remote Control w/ Battery (RCE013) Power Cord (by region) VGA (D-sub 15pin) Cable x 1 Warranty Card (by region) User Manual CD x 1 Quick Start Guide x 1	Remote Control w/ Battery (RCA022) Power Cord (by region) VGA (D-sub 15pin) Cable x 1 Warranty Card (by region) User Manual CD x 1 Quick Start Guide x 1
	Accessories (Optional)	Spare Lamp Kit (5J.JGT05.001) 3D Glasses (5J.J9H25.002) Wireless Dongle - WDRT8192 USB Dongle(5J.J3F28.X01) Wireless Dongle - QCast Mirror QP20 (5A.JH328.10X) Wireless Dongle - QCast QP01 (5J.JCK28.X01) Carry Bag (QS1) Ceiling mount	Spare Lamp Kit (5J.JGS05.001) 3D Glasses (5J.J9H25.002) Wireless Dongle - WDRT8192 USB Dongle(5J.J3F28.X01) Wireless Dongle - QCast Mirror QP20 (5A.JH328.10X) Wireless Dongle - QCast QP01 (5J.JCK28.X01) Carry Bag (QS1) Ceiling mount	Spare Lamp Kit (5J.JGR05.001) 3D Glasses (5J.J9H25.002) Wireless Dongle - WDRT8192 USB Dongle(5J.J3F28.X01) Wireless Dongle - QCast Mirror QP20 (5A.JH328.10X) Wireless Dongle - QCast QP01 (5J.JCK28.X01) Carry Bag (QS1) Ceiling mount	Spare Lamp Kit (5J.JDP05.001) 3D Glasses (5J.J9H25.002) Wireless Dongle - QCast Mirror QP20 (5A.JH328.10X) Wireless Dongle - QCast QP01 (5J.JCK28.X01) Wireless Kit - InstaShow WDC10 (5J.JF828.X30) Ceiling mount
OSD	On Screen Display Language	Arabic/Bulgarian/ Croatian/ Czech/ Danish/ Dutch/ English/ Finnish/ French/ German/ Greek/ Hindi/ Hungarian/ Italian/ Indonesian/ Japanese/ Korean/ Norwegian/ Polish/ Portuguese/ Romanian/ Russian/ Simplified Chinese/Spanish/ Swedish/ Turkish/ Thai/ Traditional Chinese / Vietnam/ Persian (30 languages)			

Environment Notice
*LightSource life results will vary depending on environmental conditions and usage. Actual product's features and specifications are subject to change without notice.
*All related Optical Value is measure by Standard Lens.
* The Contrast is measure by Full On Full Off standard.

MU641	MW612	MX611	MS610
DLP Single 0.47" WUXGA	DC3	DC3	DC3
DC3 DMD Chip	DC3 DMD Chip	DC3 DMD Chip	DC3 DMD Chip
WUXGA (1920x1200)	WXGA (1280x800)	XGA (1024x768)	SVGA (800x600)
4000lm	4000lm	4000lm	4000lm
10000:1	20000:1	20000:1	20000:1
30 Bits (1,07 billion colors)	30 Bits (1,07 billion colors)	30 Bits (1,07 billion colors)	30 Bits (1,07 billion colors)
16:10	16:10	4:3	4:3
Lamp	Lamp	Lamp	Lamp
Economic 10000 hrs;LampSave 15000 hrs;Normal 4000 hrs;SmartEco 8000 hrs	Economic 10000 hrs;LampSave 15000 hrs;Normal 4000 hrs;SmartEco 8000 hrs	Economic 10000 hrs;LampSave 15000 hrs;Normal 4000 hrs;SmartEco 8000 hrs	Normal 4000 hrs;Economic 10000 hrs;SmartEco 8000 hrs;LampSave 15000 hrs
1.47~1.76	1.55~1.7	1.96~2.15	1.96~2.15
1.2x	1.1x	1.1x	1.1x
N/A	N/A	N/A	N/A
1D, Vertical ± 40 degrees	1D, Vertical ± 30 degrees	1D, Vertical ± 30 degrees	1D, Vertical ± 30 degrees
100%	100%	110%	110%
30"~300"	30"~300"	30"~300"	30"~300"
2Wx1	2Wx1	2Wx1	2Wx1
Security Bar,Kensington anti-theft lock slot	Security Bar,Kensington anti-theft lock slot	Security Bar,Kensington anti-theft lock slot	Security Bar,Kensington anti-theft lock slot
Optional Wireless Presentation - QCast Mirror, Infographic mode	Optional Wireless Presentation - QCast Mirror, Infographic mode	Optional Wireless Presentation - QCast Mirror, Infographic mode	Optional Wireless Presentation - QCast Mirror, Infographic mode
PC in (D-sub 15pin) x 1 Monitor out (D-sub 15pin) x 1 HDMI x 2/ MHL x 1 Composite Video in (RCA) x 1 S-Video in (Mini Din 4 pin) x 1 Audio in (3.5mm Mini Jack) x 1 Audio L/R in (RCA) x 1 Audio out (3.5mm Mini Jack) x 1 Microphone in (Mini Jack) x 1 LAN (RJ45) x 1 USB Type A-1 (2.0/Power Supply1.5A) x 1 DC 12V Trigger (3.5mm Jack) x 1 USB Type Mini B-1(service/Page up&down) x 1 RS232 (DB-9pin) x 1 IR Receiver x 2 (Front/Top)	PC in (D-sub 15pin) x 1 Monitor out (D-sub 15pin) x 1 HDMI x 2/ MHL x 1 Composite Video in (RCA) x 1 S-Video in (Mini Din 4 pin) x 1 Audio in (3.5mm Mini Jack) x 1 Audio out (3.5mm Mini Jack) x 1 USB Type A-1 (2.0/Power Supply1.5A) x 1 USB Type Mini B-1(service/Page up&down) x 1 RS232 (DB-9pin) x 1 IR Receiver x 2 (Front/Top)	PC in (D-sub 15pin) x 1 Monitor out (D-sub 15pin) x 1 HDMI x 2/ MHL x 1 Composite Video in (RCA) x 1 S-Video in (Mini Din 4 pin) x 1 Audio in (3.5mm Mini Jack) x 1 Audio out (3.5mm Mini Jack) x 1 USB Type A-1 (2.0/Power Supply1.5A) x 1 USB Type Mini B-1(service/Page up&down) x 1 RS232 (DB-9pin) x 1 IR Receiver x 2 (Front/Top)	PC in (D-sub 15pin) x 1 Monitor out (D-sub 15pin) x 1 HDMI x 2/ MHL x 1 Composite Video in (RCA) x 1 S-Video in (Mini Din 4 pin) x 1 Audio in (3.5mm Mini Jack) x 1 Audio out (3.5mm Mini Jack) x 1 USB Type A-1 (2.0/Power Supply1.5A) x 1 USB Type Mini B-1(service/Page up&down) x 1 RS232 (DB-9pin) x 1 IR Receiver x 2 (Front/Top)
VGA(640 x 480) to WUXGA_RB(1920 x 1200) *RB=Reduced blanking	VGA(640 x 480) to WUXGA_RB(1920 x 1200) *RB=Reduced blanking	VGA(640 x 480) to WUXGA_RB(1920 x 1200) *RB=Reduced blanking	VGA(640 x 480) to WUXGA_RB(1920 x 1200) *RB=Reduced blanking
15K~102KHz	15K~102KHz	15K~102KHz	15K~102KHz
23~120KHz	23~120KHz	23~120KHz	23~120KHz
1080i;1080p;480i;480p;576i;576p;720p	1080i;1080p;480i;480p;576i;576p;720p	1080i;1080p;480i;480p;576i;576p;720p	480i;480p;576i;576p;720p;1080i;1080p
NTSC;PAL;SECAM	NTSC;PAL;SECAM	NTSC;PAL;SECAM	NTSC;PAL;SECAM
300W	320W	320W	320W
<0.5W	<0.5W	<0.5W	<0.5W
AC 100 to 240 V, 50/60 Hz	AC 100 to 240 V, 50/60 Hz	AC 100 to 240 V, 50/60 Hz	AC 100 to 240 V, 50/60 Hz
353 x135 x272 mm	296 x120 x 221mm	296 x120 x 221mm	296 x120 x 221mm
3.7 kg	2.3 kg	2.3 kg	2.3 kg
33/29 dB	34/29 dB	34/29 dB	34/29 dB
0~40℃	0~40℃	0~40℃	0~40℃
Remote control w/ Battery (RCX014) Power Cord (by region) VGA (D-sub 15pin) Cable x 1 Warranty Card (by region) User Manual CD x 1 Quick Start Guide x 1	Remote control w/ Battery (RCX014) Power Cord (by region) VGA (D-sub 15pin) Cable x 1 Warranty Card (by region) User Manual CD x 1 Quick Start Guide x 1	Remote control w/ Battery (RCX014) Power Cord (by region) VGA (D-sub 15pin) Cable x 1 Warranty Card (by region) User Manual CD x 1 Quick Start Guide x 1	Remote control w/ Battery (RCX014) Power Cord (by region) VGA (D-sub 15pin) Cable x 1 Warranty Card (by region) User Manual CD x 1 Quick Start Guide x 1
Spare Lamp Kit (5J.JHH05.001) 3D Glasses (5J.J9H25.002) Wireless Dongle - QCast Mirror QP20 (5A.JH328.10X) Wireless Dongle - QCast QP01 (5J.JCK28.X01) Wireless Kit - InstaShow WDC10 (5J.JF828.X30) Ceiling mount	Spare Lamp Kit (5J.JH505.001) 3D Glasses (5J.J9H25.002) Wireless Dongle - QCast Mirror (5A.JH328.10X) Wireless Dongle - QCast (5J.JCK28.X01) Carry Bag (QS1) Ceiling mount	Spare Lamp Kit (5J.JGR05.001) 3D Glasses (5J.J9H25.002) Wireless Dongle - QCast Mirror (5A.JH328.10X) Wireless Dongle - QCast (5J.JCK28.X01) Carry Bag (QS1) Ceiling mount	Spare Lamp Kit (5J.JGR05.001) 3D Glasses (5J.J9H25.002) Wireless Dongle - QCast Mirror (5A.JH328.10X) Wireless Dongle - QCast (5J.JCK28.X01) Carry Bag (QS1) Ceiling mount
Arabic/Bulgarian/ Croatian/ Czech/ Danish/ Dutch/ English/ Finnish/ French/ German/ Greek/ Hindi/ Hungarian/ Italian/ Indonesian/ Japanese/ Korean/ Norwegian/ Polish/ Portuguese/ Romanian/ Russian/ Simplified Chinese/Spanish/ Swedish/ Turkish/ Thai/ Traditional Chinese / Vietnam/ Persian (30 languages)			Arabic/Bulgarian/ Croatian/ Czech/ Danish/ Dutch/ English/ Finnish/ French/ German/ Greek/ Hindi/ Hungarian/ Italian/ Indonesian/ Japanese/ Korean/ Norwegian/ Persian/ Polish/ Portuguese/ Romanian/ Russian/ Simplified Chinese/ Spanish/ Swedish/ Turkish/ Thai/ Traditional Chinese/ Vietnamese (30 Languages)

| Projector

Model Name		MH606	MW605	MX604
Display	Projection System	DLP Single 0.65" 1080p	DC3	DC3
	DMD Type	DC3 DMD Chip	DC3 DMD Chip	DC3 DMD Chip
	Native Resolution	1080P (1920x1080)	WXGA (1280x800)	XGA (1024x768)
	Brightness	3500lm	3600lm	3600lm
	Contrast Ratio*	10000:1	20000:1	20000:1
	Display Color	30 Bits (1,07 billion colors)	30 Bits (1,07 billion colors)	30 Bits (1,07 billion colors)
	Aspect Ratio	16:9	16:10	4:3
	Light Source	Lamp	Lamp	Lamp
	Light Source Life*	Normal 5000 hrs;Economic 10000 hrs;SmartEco 10000 hrs;LampSave 15000 hrs	Normal 5000 hrs;Economic 10000 hrs;SmartEco 10000 hrs;LampSave 15000 hrs	Normal 5000 hrs;Economic 10000 hrs;SmartEco 10000 hrs;LampSave 15000 hrs
Optical	Throw Ratio	1.49~1.64	1.55~1.7	1.96~2.15
	Zoom Ratio	1.1x	1.1x	1.1x
	Lens Shift	N/A	N/A	N/A
	Keystone Correction	1D, Vertical ± 30 degrees	1D, Vertical ± 30 degrees	1D, Vertical ± 30 degrees
	Projection Offset**	108%	100%	110%
	Projection Size (Diagonal)	30"~300"	30"~300"	30"~300"
Audio	Built-in Speaker	2Wx1	2Wx1	2Wx1
Special Feature	Security	Security Bar,Kensington anti-theft lock slot	Security Bar,Kensington anti-theft lock slot	Security Bar,Kensington anti-theft lock slot
	Feature	Optional Wireless Presentation - QCast Mirror, Infographic mode	Optional Wireless Presentation - QCast Mirror, Infographic mode	Optional Wireless Presentation - QCast Mirror, Infographic mode
Connectivity	I/O Port	PC in (D-sub 15pin) x 1 Monitor out (D-sub 15pin) x 1 HDMI x 2/ MHL x 1 Composite Video in (RCA) x 1 S-Video in (Mini Din 4 pin) x 1 Audio in (3.5mm Mini Jack) x 1 Audio out (3.5mm Mini Jack) x 1 USB Type A-1 (2.0/Power Supply1.5A) x 1 USB Type Mini B-1(service/Page up&down) x 1 RS232 (DB-9pin) x 1 IR Receiver x 2 (Front/Top)	PC in (D-sub 15pin) x 1 Monitor out (D-sub 15pin) x 1 HDMI x 2/ MHL x 1 Composite Video in (RCA) x 1 S-Video in (Mini Din 4 pin) x 1 Audio in (3.5mm Mini Jack) x 1 Audio out (3.5mm Mini Jack) x 1 USB Type A-1 (2.0/Power Supply1.5A) x 1 USB Type Mini B-1(service/Page up&down) x 1 RS232 (DB-9pin) x 1 IR Receiver x 2 (Front/Top)	PC in (D-sub 15pin) x 1 Monitor out (D-sub 15pin) x 1 HDMI x 2/ MHL x 1 Composite Video in (RCA) x 1 S-Video in (Mini Din 4 pin) x 1 Audio in (3.5mm Mini Jack) x 1 Audio out (3.5mm Mini Jack) x 1 USB Type A-1 (2.0/Power Supply1.5A) x 1 USB Type Mini B-1(service/Page up&down) x 1 RS232 (DB-9pin) x 1 IR Receiver x 2 (Front/Top)
Compatibility	Resolution Support	VGA(640 x 480) to WUXGA_RB(1920 x 1200) *RB=Reduced blanking	VGA(640 x 480) to WUXGA_RB(1920 x 1200) *RB=Reduced blanking	VGA(640 x 480) to WUXGA_RB(1920 x 1200) *RB=Reduced blanking
	Horizontal Frequency	15K~102KHz	15K~102KHz	15K~102KHz
	Vertical Scan Rate	23~120KHz	23~120KHz	23~120KHz
	HDTV Compatibility	480i;480p;576i;576p;720p;1080i;1080p	480i;480p;576i;576p;720p;1080i;1080p	480i;480p;576i;576p;720p;1080i;1080p
	Video Compatibility	NTSC;PAL;SECAM	NTSC;PAL;SECAM	NTSC;PAL;SECAM
Power	Power Consumptions(Typical)	260W	260W	260W
	Standby Power consumption	<0.5W	<0.5W	<0.5W
	Power Supply	AC 100 to 240 V, 50/60 Hz	AC 100 to 240 V, 50/60 Hz	AC 100 to 240 V, 50/60 Hz
Dimension and Weight	Product Dimensions (WxHxD)	296 x 120 x 221mm	296 x 120 x 221mm	296 x 120 x 221mm
	Product Weight	2.3 kg	2.3 kg	2.3 kg
Operation Condition	Noise Level (Normal/Eco)	33/29 dB	33/29 dB	33/29 dB
	Operating Temperature	0~40℃	0~40℃	0~40℃
Accessories	Accessories (Standard)	Remote Control w/ Battery (RCX013) Power Cord (by region) VGA (D-sub 15pin) Cable x 1 Warranty Card (by region) User Manual CD x 1 Quick Start Guide x 1	Remote Control w/ Battery (RCX013) Power Cord (by region) VGA (D-sub 15pin) Cable x 1 Warranty Card (by region) User Manual CD x 1 Quick Start Guide x 1	Remote Control w/ Battery (RCX013) Power Cord (by region) VGA (D-sub 15pin) Cable x 1 Warranty Card (by region) User Manual CD x 1 Quick Start Guide x 1
	Accessories (Optional)	Spare Lamp Kit (5J.JGX05.001) 3D Glasses P/N (5J.J9H25.002) Wireless Dongle - QCast Mirror (5A.JH328.10X) Wireless Dongle - QCast (5J.JCK28.X01) Carry Bag (QS1) Ceiling mount	Spare Lamp Kit (5J.JGE05.001) 3D Glasses P/N (5J.J9H25.002) Wireless Dongle - QCast Mirror (5A.JH328.10X) Wireless Dongle - QCast (5J.JCK28.X01) Carry Bag (QS1) Ceiling mount	Spare Lamp Kit (5J.JGP05.001) 3D Glasses P/N (5J.J9H25.002) Wireless Dongle - QCast Mirror (5A.JH328.10X) Wireless Dongle - QCast (5J.JCK28.X01) Carry Bag (QS1) Ceiling mount
OSD	On Screen Display Language	Arabic/Bulgarian/ Croatian/ Czech/ Danish/ Dutch/ English/ Finnish/ French/ German/ Greek/ Hindi/ Hungarian/ Italian/ Indonesian/ Japanese/ Korean/ Norwegian/ Persian/ Polish/ Portuguese/ Romanian/ Russian/ Simplified Chinese/Spanish/ Swedish/ Turkish/ Thai/ Traditional Chinese/ Vietnamese (30 Languages)		

Wireless Presentation Device

Model Name	InstaShow™ (WDC10)			
General Specifications	Color	Black	Data Rate Wireless	Up to 400Mbps
	Support Platform	Windows, MAC, Chrome. Any OS supports HDMI standard 1.4	Authentication Protocol	WPA2 (WPA2-PSK (Pre-Shared key) / WPA2-Enterprise)
	Video Outputs	HDMI 1.4, comply with HDCP	Security (encryption)	AES 128 bit
	Frame Rate	Up to 30 fps depending on environment	Reach	Max. 8m between InstaShow Button and InstaShow Host
	Output Resolution	800 x 600, 1280x720 (720P),1024 x 768 (XGA),1280 x 768,1280x800(WXGA),1280 x 1024,1280 x 960,1360 x 768,1440 x 900,1400 x 1050,1680 x 1050, 1920x1080 (1080p)	Temperature Range	Operating: 0°C to +40°C (+32°F to +104°F) Storage: -10°C to +60°C (+14°F to +140°F)
	Input Resolution	Up to 1920x1080		
	Simultaneous Connections	16 pcs	Humidity	Operation: 10% to 80% relative humidity, non-condensing Storage: 5% to 90% relative humidity, non-condensing
	Audio	Stereo, Radio quality 16 bits 48KHz		
	Wireless	IEEE 802.11ac, 5GHz, 2T2R		
InstaShow Package	InstaShow Button	x2	Adapter	x1
	InstaShow Host	x1	Velcro Strap (black)	x1
	Cradle	x1	Quick Start Guide	x1
	USB Power Cable	x1 (150cm, USB Type A 3.0, micro USB)	Safety Statement	x1
	HDMI Cable	x1 (80cm)	Double-side Sponge Tap	x1
	USB Power Cable	x1 (80cm)	Rubber Feet	x4
	Antenna	x2 (Black)	Screws	x4
InstaShow Button	Cable	USB Type A, HDMI Cable	Power Supply	DC 5V±10%, 0.9A
	Reset Button	x1	Power Consumption	Normal: 4.5W
	Mode Key	x1	Dimensioin (WxHxD)	84.5 x 298 x 19.9mm
	LED	*Red (boosting), Green (wifi connected), Blue (presenting)	Weight	100g
InstaShow Host	Power Button	x1	DC Power Jack	x1 (micro USB)
	Paring Key	x1	Power Supply	DC 5V±10%, 1.5A
	LAN	x1(10/100 Mbps)	Power Consumption	Normal: 5W Network standby: 2W HDMI standby: 0.02W
	Video Output	x1 HDMI 1.4 (video and audio)	Dimension (WxHxD)	110 x 110 x 27mm (99mm with antenna)
	LED	*Red (boosting), Green (ready for connection), Blue (presenting)	Weight	150g (with antenna)
InstaShow Cradle	Dimension (WxHxD)	85 x 97.5 x 170.4 mm	Weight	630g
InstaShow Cradle	InstaShow Button	x2		
	Cradle	x1		
	USB Extended Cable	x1 (80cm)		
	Quick Start Guide	x1		
	Safety Statement	x1		

Notes
*Please find detail LED behavior in the user manual.
**Wireless connection speed depends on wireless environment.
***You may purchase optional InstaShow Button Kit for up to sixteen users in your meeting room. Please contact local dealers for more information.

Model Name	QCast Mirror HDMI Wireless Dongle	QP20			
General Specifications	Dimensions(W x H x D)	84 x 11 x 32 mm	Frequency Band	2.4G/5G* (default setting)
	Input Terminals	Micro USB	Color	White
	Output Terminals	HDMI 1.2	CPU	AM8252
	Weight	30g approx.	DRAM	DDR3 128MB
	Wireless Standard	IEEE 802.11a/b/g/n/ac	NAND	128MB
	Security	WPA/WPA2		
	LED	Blue LED indication for Power and WiFi status	Power	DC 5V/1A, through Micro USB port
	Output Resolution	1280x720 @60hz 1920x1080 @30hz 1920x1080 @24hz	Video Support	Max. 1080p@30p video decode
System Requirement	PC	Windows: OS Windows 8.1 and later with Miracast support * Mirror Screen support depends on Wi-Fi module and graphics chipset.		
		Mac OS: Mac OS X 10.11 and above with Mirror Screen support *Recommended Models: Mac Book series and iMac series after E/2015		
	Tablet/SmartPhone	iOS: iOS9.3 and later with Mirror Screen support		
		Android: Android 4 above with Mirror Screen support		
		WindowsPhone: Windows Phone 8.1 and later with Mirror Screen support		

Notes
* 5G Wifi only support Band1 (5.150-5.250GHz)
* Please make sure your device is upgraded to the latest version of OS which supports the mirror function.
* Transmission quality depends on the Wi-Fi environment and the mirror function's compatibility with different mobile devices. To ensure the best transmission quality, click here to check the list of compatible devices.

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