BenQ

Because it matters

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Dealer's Stamp

Scan to read more information about BenQ ClassroomCare® solution.

BenQ

ClassroomCare®



Education Solution Brochure

Connect, Interact, Grow

Technology Improves Learning

From smart boards to digital classrooms, technology has been improving education for years. That trend has only been accelerated by the pandemic. After the pandemic forced school closures across nearly 200 countries, more than 90 percent of those countries adopted digital or remote learning policies.

A “classroom” may now involve video calling, content casting, and digital whiteboards. Technology has become essential to provide quality learning in times of uncertainty, and BenQ is leading the EdTech industry with smart, intuitive tools that make sure every lesson leaves an impression.

What BenQ Can Offer

BenQ provides EdTech solutions that enrich students’ learning while making teachers’ lives easier. With tools like digital whiteboards, cloud storage, and smart projectors with wireless content casting, digital and hybrid classrooms are no longer just a backup plan — they actually have big advantages.



Multidimensional Learning

Bring classrooms to life with digital connectivity, interactive software, and EdTech tools that maximize student engagement all in a healthy environment.

Students deserve a learning environment that prioritizes their health and safety, and BenQ designs tools for blended learning that puts health priorities at the top of the list — without compromising quality.

Solutions for Modern Classrooms

Technology is redefining our learning spaces. And BenQ EdTech is making learning easier than ever by bringing seamless solutions to modern classrooms during the global transition to digital education.





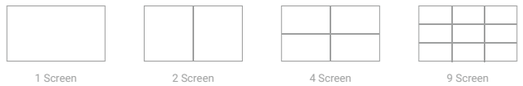


Connecting Teachers and Students Through Devices

Technology has become integral to effective teaching. Connectivity is the key element to build a smart classroom, and that's not possible without creative technology solutions. BenQ Education Solutions support versatile wireless and distance connectivity, creating a boundless learning environment.

Wireless Content Casting

BenQ displays allow teachers and students to project presentation slides, reports, and other content straight from personal devices to a public display. The BenQ Smart Projector for Classrooms and ClassroomCare© interactive displays enable students to wirelessly share their work from their tablets or laptops, cutting the need for cables.





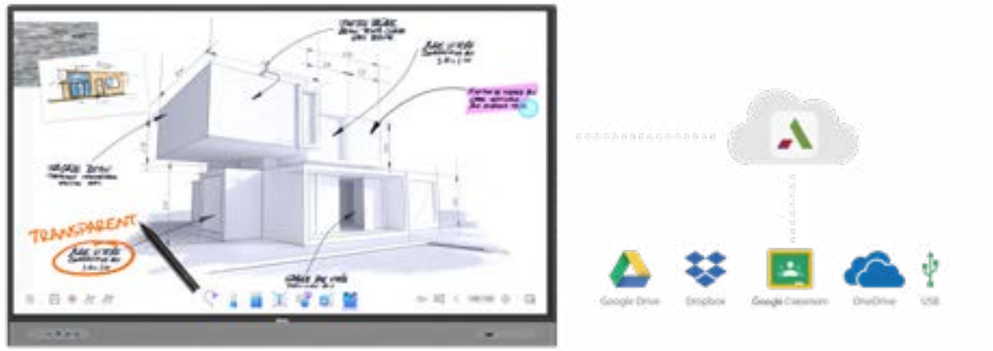
Hybrid with a Digital Whiteboard

BenQ's digital whiteboard features an intuitive, interactive app called EZWrite, along with the web-based app EZWrite for Windows. The interactive apps are ideal for distance or hybrid learning because they allow teachers and students to write and annotate freely over material projected from the cloud onto displays.



Integrating Google Classroom and Cloud Storage

Integration of Google Classroom, cloud storage (Google Drive, Dropbox, Onedrive) and BenQ's Account Management System means teachers can effortlessly access teaching materials from different sources on the whiteboard.



Connect Any Device

Devices come in all shapes and sizes. BenQ's versatile education displays have multiple connection ports (USB, USB Type-C, HDMI) to connect to the laptop or device you need to connect to.





Write and Interact with Ease

Digital whiteboarding is key to effective teaching. The EZWrite digital whiteboard has the essential tools built-in, making it easier than ever for teachers to prepare materials, visualize lessons, and deliver them with an impact.

Personalize Your Interactive Teaching Materials

EZWrite's versatility and IWB file compatibility means teachers can import files, add text, select and copy objects, and insert videos from their own personal devices. Or create tailor-made teaching materials with built-in tools like 2D and 3D shapes, Ruler and Compass, and Geometry.



Get the Tools for Effective Lessons

Level up your lessons with built-in tools like Geometry, Timer & Stopwatch, Select at Random, and Calculator. Team Posting and Dual Windows functions enrich real-time interactions.



2D and 3D Shapes · Calculator · Document Camera Support · Geometry · Ruler & Compass · Score Board · Select at Random · Team Posting · Timer & Stopwatch

Listen, Share, Discuss

Let students join the same whiteboard over the cloud from their laptop and tablets, and use Sticky Notes to collect their thoughts and answers. The best learning happens together.



Organize Ideas on a Canvas

Discussion means sharing many different ideas, and an unlimited canvas lets you record and visualize all of them. Group information and brainstorm effortlessly with intuitive EZWrite canvas tools.



Record Your Lessons

Lesson recording gives teachers the flexibility to distribute and reuse lessons, or let students access content later for review.





Grow and Learn in a Healthy Space

State-of-the-art displays and ergonomic designs team up with new health technologies like germ-resistant, eye-care screens and air quality sensors to create smart and fresh learning spaces.

Germ-resistant Touch Screen

With higher concentrations of nano-ionic silver compounds cured together with anti-glare coating and tempered glass, the touch screen resists bacteria better than ever.



Indoor Air Quality Monitoring

Air Quality Sensors help measure CO_2, $PM_{2.5}$, and formaldehyde levels along with temperature and humidity, monitoring classroom ventilation to keep the learning environment healthy at all times.



Air-purifying Air Ioniser*

Purify the air around the interactive displays with an ioniser that automatically clears impurities when pollutant levels rise.

*Available on selected products.

Smart Eye-care Protection

Too much screen time and exposure to blue light can harm the eyes. Smart Eye-Care Protection is designed to reduce digital eye strain for teachers and students.





Low Blue-Light Filter



Flicker-Free Technology



Anti-Glare Glass Display

Eye-care technology for interactive displays and monitors

Eye-care Protection	BenQ ClassroomCare© Interactive Displays	BenQ Eye-care Monitors
Low blue lights *	eyesafe CERTIFIED	
Flicker-free	TÜV Test Confirmed	
Anti-glare	Yes	
Auto screen backlight adjustment	Radar Motion Sensor	Brightness Intelligence(Plus) Technology
Colour recognition	N/A	Colour Weakness Mode
Ergonomic design	Wall Mount/ Trolley	Height Adjustment Stand
Variety of screen size	65", 75", 86"	24", 27"

*Eyesafe certified available for selected products.



Hassle-free Cloud Display Management

Manage Displays on the Cloud with the Device Management System



Device Info and Management

Remotely control your displays with DMS Cloud on the Internet, lowering your operation's TCO (Total Cost of Ownership) and energy consumption.

Apps Management

DMS Cloud saves you from repetitive manual installations.

OTA (Over-the-Air) Update

Upgrade the latest BenQ firmware for your displays through OTA. Update support and keep them running smoothly.

Connect Your Account and Teaching Materials with the Account Management System



BenQ Account Management System (AMS) allows teachers to access class material from different classrooms through multiple cloud drives.



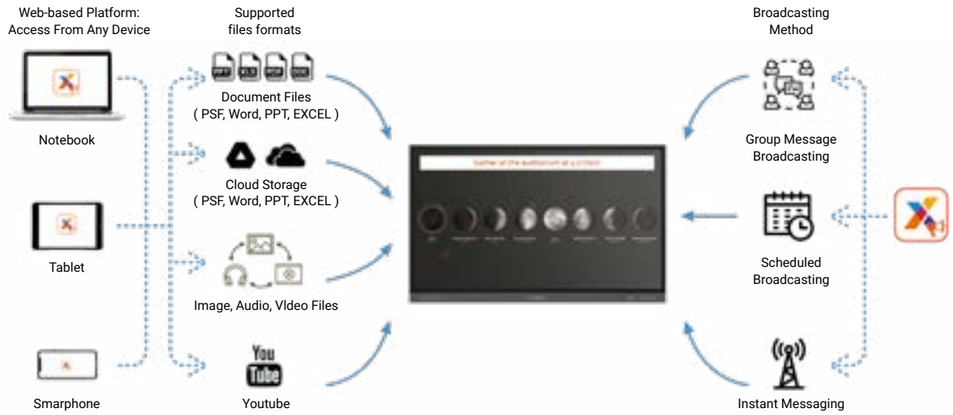
Smart Login allows teachers to access their personal settings by scanning a QR Code from a smartphone or tapping the NFC sensor.



The Account Management System (AMS) provides an intuitive user interface for IT managers to remotely manage multiple user accounts efficiently, traditionally a time consuming task.

Empower Your Broadcasting System with X-Sign Broadcast

Designed to simplify the broadcasting process across different classrooms, X-Sign Broadcast can schedule to broadcast school messages, classroom material, video and audio files to all or dedicated interactive displays using any laptop, tablet or smartphone.



Designed with Security in Mind

BenQ understands the importance of cybersecurity. We build every display with premium security features to safeguard your school's devices, network, and cloud from cyberthreats.

- Real-time protection against malware and rogue apps
- Set special privilege settings for guests and kids
- Access and remove suspicious apps using one-tap uninstall

Cloud security

- Vetted cloud infrastructure on trusted Amazon cloud servers
- Use of OAuth 2.0 and JSON web tokens
- Secure and encrypted communications with SSL
- HTTPS

Network security

- WPA2 enterprise-grade authentication
- Encrypted data transmission with SSL and TLS
- Proxy-level protection



Device security

McAfee

Compliance

Technical support

Safe and Sustainable Innovations

BenQ is committed to helping schools maintain safe and engaging learning environments. BenQ Education Solutions adhere to the Sustainable Development Goals (SDGs) set by the United Nations Development Program (UNDP), to achieve Good Health and Well-being, Quality Education, and facilitate Industry, Innovation, and Infrastructure.



UNDP SDG	Scope	BenQ Display Solutions
GOAL 3	Strengthening the capacity of organizations to manage critical healthrisks	SIAA and TÜV-certified germ resistant screen and eye-care features prevent the spread of germs and the exposure of long screen time.
GOAL 4	Upgrading educational facilities and enabling learners to acquire skills and knowledge required for susainable development	Helping facilitate active and hybrid learning via: • EZWrite interactive white-boarding • InstaShare wireless casting • Account management system for cloud device control These features ensure educational resilience and the continued development of student's 21st century skills.
GOAL 11	Upgrading infrastructure and technological capabilities through energy-efficient, sustainable innovations	Our production processes adhere to the strictest environmental standards set by prominent international organizations for being energy-efficient, eco-friendly, and safe for use.

Lecture Hall & Auditorium

Models	LU9800	LU9750	LU9245
			
Display			
Resolution	WUXGA (1920x1200 pixels)	WUXGA (1920x1200 pixels)	WUXGA (1920x1200 pixels)
Brightness	10000 ANSI Lumens	8500 ANSI Lumens	7000 ANSI Lumens
Contrast Ratio	3,000,000:1	3,000,000:1	3,000,000:1
Display Color	1.07 Billion Colors	1.07 Billion Colors	1.07 Billion Colors
Aspect Ratio	Native 16:10	Native 16:10	Native 16:10
Light Source	Laser	Laser	Laser
Light Source life*	20,000/38,000/70,000 hours (Normal/Eco)	20,000/38,000/70,000 hours (Normal/Eco)	20,000/38,000/70,000 hours (Normal/Eco)
Optical			
Throw Ratio	LS1ST4 Ultra Short Throw: 0.38 LS1ST3A Short throw: 0.77 ~ 1.1 LS1ST2A Wide Zoom 2: 1.1 ~ 1.3 LS1ST1A Wide Zoom 1: 1.25 ~ 1.6 LS1SDA Standard: 1.54 ~ 1.93 LS1LT0 Semi long: 1.93 ~ 2.9 LS1LT1 Semi long 1: 2.22 ~ 3.67 LS1LT2 Long zoom 1: 3.58 ~ 5.38 LS1LT3 Long Zoom 2: 5.31 ~ 8.26	LS1ST4 Ultra Short Throw: 0.38 LS1ST3A Short throw: 0.77 ~ 1.1 LS1ST2A Wide Zoom 2: 1.1 ~ 1.3 LS1ST1A Wide Zoom 1: 1.25 ~ 1.6 LS1SDA Standard: 1.54 ~ 1.93 LS1LT0 Semi long: 1.93 ~ 2.9 LS1LT1 Semi long 1: 2.22 ~ 3.67 LS1LT2 Long zoom 1: 3.58 ~ 5.38 LS1LT3 Long Zoom 2: 5.31 ~ 8.26	LS2ST3 Wide Fix: 0.778 LS2ST1 Wide Zoom: 1.1 ~ 1.3 LS2ST2 Short Throw: 0.77~1.1 LS2ST4 Semi Throw: 1.25~1.6 LS2SD2 Standard: 1.54 ~ 1.93 LS2LT1 Semi Long: 1.93 ~ 2.9 LS2LT2 Long Zoom: 3.0 ~ 5.0
Zoom Ratio	LS1ST4 Ultra Short Throw: Fixed LS1ST3A Short throw: 1.42x LS1ST2A Wide Zoom 2: 1.18x LS1ST1A Wide Zoom 1: 1.28x LS1SDA Standard: 1.25x LS1LT0 Semi long: 1.5x LS1LT1 Semi long 1: 1.65x LS1LT2 Long zoom 1: 1.5x LS1LT3 Long Zoom 2: 1.55x	LS1ST4 Ultra Short Throw: Fixed LS1ST3A Short throw: 1.42x LS1ST2A Wide Zoom 2: 1.18x LS1ST1A Wide Zoom 1: 1.28x LS1SDA Standard: 1.25x LS1LT0 Semi long: 1.5x LS1LT1 Semi long 1: 1.65x LS1LT2 Long zoom 1: 1.5x LS1LT3 Long Zoom 2: 1.55x	LS2ST3 Wide Fix: Fixed LS2ST1 Wide Zoom: 1.18x LS2ST2 Short Throw: 1.42x LS2ST4 Semi Throw: 1.28x LS2SD2 Standard: 1.25x LS2LT1 Semi Long: 1.5x LS2LT2 Long Zoom: 1.67x
Lens Shift	Vertical: -15% ~ 55% Horizontal: -5% ~ 5%	Vertical: -15% ~ 55% Horizontal: -5% ~ 5%	Vertical: -15% ~ 55% Horizontal: -5% ~ 5%, Standard Lens
Keystone Correction	2D, Vertical ± 30 degrees; Horizontal ± 30 degrees	2D, Vertical ± 30 degrees Horizontal ± 30 degrees	2D, Vertical ± 30 degrees Horizontal ± 30 degrees
Lens Control	9 Optional Lenses	9 Optional Lenses	7 Lens (Manual Zoom and Focus)
Projection Offset**	0%	0%	N/A
Projection Size	80"~500" (Standard lens)	80"~500" (Standard lens)	50" ~ 500", Standard Lens
Audio			
Built-in Speaker	N/A	N/A	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
Connectivity			
	Computer in 1 (D-sub 15pin) x1	Computer in 1 (D-sub 15pin) x1	PC (D-sub 15pin) x1
	Computer in 2 (5BNC, R/G/B/H/V) x2	Computer in 2 (5BNC, R/G/B/H/V) x2	PC2 (5BNC,YPbPr) x1
	Monitor out (D-sub 15pin) x1	Monitor out (D-sub 15pin) x1	Monitor out (D-sub 15pin) x1
	HDMI (2.0)(HDCP 2.2) x2 (Compatible with HDCP)	HDMI (2.0)(HDCP 2.2) x 2 (Compatible with HDCP)	HDMI (HDCP 2.2) x2
	DVI-D in x1 (Compatible with HDCP)	DVI-D in x 1 (Compatible with HDCP)	Composite Video in (RCA) x1
	LAN (RJ45) x1	LAN (RJ45) x1	Audio in (Mini Jack) x1
	RS232 in x1	RS232 in x1	Audio L/R in (RCA) x1
	HDBaseT x1	HDBaseT x1	Audio L/R out (RCA) x1
	RS232 out x1	RS232 out x1	Wired Remote in x1
	Trigger x1	Trigger x1	Wired Remote out x1
	3D sync in x1	3D sync in x1	LAN Port (RJ45 for Network control/ FW Upgrade) x1
	3D Sync out x1	3D Sync out x1	USB Type A (Power 5V/1.5A) x1
	Wired Remote in & out x1	Wired Remote in & out x1	USB Type B (Service) x1
	USB-B (service) x1	USB-B (service) x1	DC 12V Trigger (3.5mm Jack) x1
	USB-A (5V/2A) x1	USB-A (5V/2A) x1	RS232 (DB-9pin) in x1
	Audio in x1	Audio in x1	RS232 (DB-9pin) out x1
	IR Receiver x2 (Front+Rear)	IR Receiver x2 (Front+Rear)	DVI-D x1
			HDBaseT (Network Control and Video Display) x1
			3D Sync in x1
			3D Sync out x1
			IR Receiver (Front) x1
			IR Receiver (Rear) x1
Compatibility			
Resolution Support	WUXGA (1920 x 1200)	WUXGA (1920 x 1200)	VGA(640 x 480) to WUXGA(1920 x 1200)
Horizontal Frequency	15k ~ 135 Hz	15k ~ 135Hz	15 ~ 102KHz
Vertical Scan Rate	23 ~ 120Hz	23 ~ 120Hz	23 ~ 120 Hz
HDTV Compatibility	720@50P/60P 1080@50i/60i/24p/25p/30p/50p/60p/120p 2160@24p/25p/30p/50p/60p	720@50P/60P 1080@50i/60i/24p/25p/30p/50p/60p/120p 2160@24p/25p/30p/50p/60p	480i, 480p, 576i, 567p, 720p, 1080i, 1080p
Video Compatibility	NTSC, PAL, SECAM	NTSC, PAL, SECAM	NTSC, PAL, SECAM
Power			
Power Consumption	Typical 893W	Typical 792W	Typical 600W
Standby Power Consumption	Normal < 0.5W Network < 2W	Normal < 0.5W Network < 2W	Normal < 0.5W Network < 2W
Power Supply	100 ~ 240V AC	100 ~ 240V AC	100 ~ 240V AC
Dimension and Weight			
Product Dimensions (WxHxD)	587.3 x 216 x 500 mm	587.3 x 216 x 500 mm	525 x 216 x 470 mm
Product Weight	26.8 kg (lens excluded)	26.4 kg (lens excluded)	24 Kg
Operation Condition			
Noise Level (Normal/Eco)	42/38 dBA	38/35 dBA	36/34 dBA
Operating Temperature	0 ~ 40°C	0 ~ 40°C	0 ~ 40°C
Accessories			
Accessories (Standard)	Remote Control (Battery AAx1) Installation guide Power Cord (by region) x 1 User Manual (e-edition) Warranty Card (by region)	Remote Control (Battery AAx1) Installation guide Power Cord (by region) x 1 User Manual (e-edition) Warranty Card (by region)	Power Cord Remote Control VGA cable (1.8m) AA Battery x 2 3pin VESA to BNC Cable Installation Guide Safety Guide Warranty card (by Region)
OSD			
On Screen Display Language	Dutch / English / French / Italian / Japanese / Korean / Portuguese / Russian / Simplified Chinese / Spanish / Swedish / Traditional Chinese (12 Languages)	Dutch / English / French / Italian / Japanese / Korean / Portuguese / Russian / Simplified Chinese / Spanish / Swedish / Traditional Chinese (12 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 (28 Languages)
Environmental Notice			

*Offset is calculated by full-screen height.

Interactive Classroom

Models	LW820ST	MW855UST+	MW826STH	MX808STH
				
Display				
Resolution	WXGA (1280 x 800 pixels)	WXGA (1280 x 800 pixels)	WXGA (1280 x 800 pixels)	XGA (1024 x 768 pixels)
Brightness	3,600 Lumens	3,500 Lumens	3,500 Lumens	3,600 Lumens
Contrast Ratio	3,000,000:1	10,000:1	20,000:1	20,000:1
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 16:10 (5 aspect ratio selectable)	Native 16:10 (5 aspect ratio selectable)	Native 16:10	Native 4:3
Light Source	Laser	Lamp (240W)	Lamp (200W)	Lamp (200W)
Optical				
Throw Ratio	0.52	0.35	0.49	0.61
Zoom Ratio	Fixed	Fixed	Fixed	Fixed
Lens	F/# = 2.79, f = 7.46 mm	F/# = 2.5, f = 5.1mm	F/# = 2.6, f = 6.9 mm	F/# = 2.6, f = 6.9 mm
Lens Shift	N/A	Vertical: ±2%	N/A	N/A
Keystone Correction	2D, Vertical ± 30 degrees; Horizontal ± 30 degrees	2D, Vertical ± 15 degrees; Horizontal ± 15 degrees	1D, Vertical ± 30 degrees	1D, Vertical ± 30 degrees
Lens Control	Manual Focus	Manual Focus	Manual Focus	Manual Focus
Projection Offset**	106.1 ± 2.5%	124 ± 5%	105%	115% ± 2.5%
Projection Size (Diagonal)	60" ~ 120"	80" ~ 100"	60" ~ 120"	60" ~ 120"
Audio				
Built-in Speaker	10W x1	10W x2	10W x1	10W x1
Smart System				
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
Connectivity				
	HDMI-1 x1	HDMI-1 x1	HDMI-1 x1	HDMI-1 x1
	HDMI-2/MHL x1	HDMI-2 x1	HDMI-2/MHL x1	HDMI-2/MHL x1
	PC (D-sub 15pin) x1	PC (D-sub 15pin) x1	PC (D-sub 15pin) x2	PC (D-sub 15pin) x2
	Monitor out (D-sub 15pin, Female) x1	Monitor out (D-sub 15pin, Female) x1	Monitor out (D-sub 15pin, Female) x1	Monitor out (D-sub 15pin, Female) x1
	Composite Video in (RCA) x1	Composite Video in (RCA) x1	Composite Video in (RCA) x1	Composite Video in (RCA) x1
	S-Video in x1	Audio in (Mini Jack) x1	S-Video in x1	S-Video in x1
	Audio in (Mini Jack) x1	Audio L/R in (RCA) x1	Audio in(Mini Jack) x1	Audio in (Mini Jack) x1
	Audio L/R in (RCA) x1	Audio out (mini jack) x1	Audio L/R in (RCA) x1	Audio L/R in (RCA) x1
	Audio out (Mini Jack) x1	LAN Port(RJ45 for Network) x1	Audio out (Mini Jack) x1	Audio out (Mini Jack) x1
	LAN Port(RJ45 for Network) x1	RS232 In (D-sub 9pin, male) x1	LAN Port (RJ45 for Network) x1	LAN Port (RJ45 for Network) x1
	RS232 In (D-sub 9pin, male) x1	USB Type A (5V,1.5A) x1	RS232 In (D-sub 9pin, male) x1	RS232 In (D-sub 9pin, male) x1
	USB Type A (5V,1.5A) x1	USB Type B (For service) x1	USB Type A (5V,1.5A) x1	USB Type A (5V,1.5A) x1
	USB Type mini B (For service) x1	USB Type mini B (For PointWrite module) x1	USB Type mini B (For service) x1	USB Type mini B (For service) x1
	IR Receiver (Front) x2	IR Receiver (Front) x1	IR Receiver (Front) x2	IR Receiver (Front) x2
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	XGA (1024x768)
Horizontal Frequency	15K ~102KHz	15 ~ 102KHz	15K ~ 102KHz	15K ~ 102KHz
Vertical Scan Rate	23 ~ 120Hz	23 ~ 120 Hz	23 ~ 120Hz	23 ~ 120Hz
HDTV Compatibility	480i, 480p, 576i, 576p, 720p, 1080i, 1080p	480i, 480p, 576i, 567p, 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	NTSC, PAL, SECAM
Power				
Power Consumption (Typical)	283W	350W	260W	260W
Standby Power Consumption	Normal < 0.5W Network < 2W	Normal < 0.5W Network < 2W	Normal < 0.5W Network < 2W	Normal < 0.5W Network < 2W
Power Supply	AC100V to 240V, 50Hz to 60Hz	AC100V to 240V, 50Hz to 60Hz	AC100V to 240V, 50Hz to 60Hz	AC100V to 240V, 50Hz to 60Hz
Dimension and Weight				
Product Dimensions (WxHxD)	410 x 158 x 272 mm	287.5 x 206.9 x 373.3 mm	296 x 120 x 239 mm	2.6 kg
Product Weight	5.6 kg	5 kg	2.6 kg	2.6 kg
Operation Condition				
Noise Level (Normal/Eco)	33/29 dBA (without dust filter) 35/31 dBA (with dust filter)	34/29 dBA	33/29 dB	33/29 dB
Operating Temperature	0 ~ 40°C	0 ~ 40°C	0 ~ 40°C	0 ~ 40°C
Accessories				
Accessories (Standard)	Power Cord (by region) Remote Control w/ Battery (RCE015) VGA (D-sub 15pin) Cable User Manual CD Quick Start Guide Warranty Card (by region)	Power Cord (by region) Remote Control (RCS011) AAA Battery x 2 VGA cable Warranty Card (by region) QSG (4J.JKS01.001) Regulatory statement x 1 Wall mount (WM04G4)	Carry Bag: Yes, 5J.J3T09.001 (optional) Remote Control w/ Battery (RCE013) Power Cord (by region) VGA(D-sub 15pin) Cable x 1 (1.5m) 3D Glasses: DGD5 (optional) Quick Start Guide (18L) Warranty Card (by region) Anti-dust Filter (optional) Wall Mount (WM06G3, optional)	Carry Bag: Yes, 5J.J3T09.001 (optional) Remote Control w/ Battery (RCE013) Power Cord (by region) VGA(D-sub 15pin) Cable x 1 (1.5m) 3D Glasses: DGD5 (optional) Quick Start Guide (21L) Warranty Card (by region) Anti-dust Filter (optional) Wall Mount (WM06G3, optional)
On Screen Display Language	Arabic / Bulgarian / Croatian / Czech / Danish / Dutch / English / Finnish / French / Germa n/ 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 / Hind i/ Hungarian / Italian / Indonesian / Japanese / Korean / Norwegian / Polish / Portuguese / Romanian / Russian / Simplified Chines e/ Spanish / Swedish / Turkish / Thai / Traditional Chinese (28 languages)	Arabic / Bulgarian / Croatian / Czech / Danish / Dutch / English / Finnish / French / German / Greek / Hind i/ Hungarian / Italian / Indonesian / Japanese / Korean / Norwegian / Polish / Portuguese / Romanian / Russian / Simplified Chines e/ Spanish / Swedish / Turkish / Thai / Traditional Chinese (28 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)
Environmental Notice				

*Lamp in this product contains mercury. To dispose of the product or used lamps, consult your local environment authorities for regulations or see www.lamprecycle.org.

*Lamp life results will vary depending on environmental conditions and usage. Actual product's features and specifications are subject to change without notice.

*Offset is calculated by full-screen height.

Multimedia Room

Models	LU935	LU935ST	LK936ST
			
Display			
Resolution	WUXGA (1920x1200 pixels)	WUXGA (1920x1200 pixels)	4K UHD (3840x2160 pixels with XPR Technology)
Brightness	6000 ANSI Lumens	5500 ANSI Lumens	5100 ANSI Lumens
Contrast Ratio	300,000:1	300,000:1	300,000:1
Display Color	30 Bits (1.07 billion colors)	1.07 Billion Colors	30 Bits (1.07 billion colors)
Aspect Ratio	Native 16:9	Native 16:9	Native 16:9
Light Source	Laser	Laser	Laser
Light Source Life*	20,000 hrs	20,000 hrs	20,000 hrs
Optical			
Throw Ratio	1.36 ~ 2..18	0.81 ~ 0.89	0.81 ~ 0.89
Zoom Ratio	1.6x	1.1x	1.1x
Lens	F/# = 1.81 ~ 2.1, f = 14.3 ~ 22.9 mm	F/# = 1.83 ~ 1.86, f = 8.6 ~ 9.4 mm	F/# = 1.83 ~ 1.86, f= 8.6 ~ 9.4
Lens Shift	Vertical ± 60 degrees Horizontal ± 23 degrees	Vertical ± 60 degrees Horizontal ± 23 degrees	Vertical ± 60 degrees Horizontal ± 23 degrees
Keystone Correction	2D Vertical ± 30 degrees Horizontal ± 20 degrees	2D Vertical ± 30 degrees Horizontal ± 20 degrees	3D Vertical ± 30 degrees Horizontal ± 20 degrees
Lens Control	Manual Zoom and Focus	Manual Zoom and Focus	Manual Zoom and Focus
Projection Offset**	0%	0%	0%
Projection Size	30" ~ 300"	30" ~ 300"	30" ~ 300"
Audio			
Built-in Speaker	10W x2	10W x2	10W x1
Smart System			
Security	Security Bar, Kensington anti-theft lock slot	Security Bar, Kensington anti-theft lock slot	Security Bar, Kensington anti-theft lock slot
Connectivity			
	HDMI (HDCP 2.2) x1	HDMI (HDCP 2.2) x2	HDMI (HDCP 2.2) x2
	USB Type A(5V/1.5A power) x1	USB Type A (5V/1.5A power) x1	USB Type A (5V/2A power) x1
	HDBaseT x1	HDBaseT x1	HDBaseT x1
	Wired Remote in x1	Wired Remote in x1	Wired Remote in x1
	3D Sync in x1	3D Sync in x1	Wired Remote out x1
	PC In x1	PC In x1	3D Sync in x1
	Monitor out (D-sub 15pin, female) x1	Monitor out (D-sub 15pin, female) x1	3D Sync out x1
	RS232 In (D-sub 9pin, male) x1	RS232 In (D-sub 9pin, male) x1	RS232 In (D-sub 9pin, male) x1
	LAN Port (RJ45 for Network control) x1	LAN Port (RJ45 for Network control) x1	LAN Port (RJ45 for Network control) x1
	Audio in (Mini Jack) x1	Audio in (Mini Jack) x1	S/PDIF x1
	Audio out (Mini Jack) x1	Audio out (Mini Jack) x1	Audio out (Mini Jack) x1
	12V Trigger x1	12V Trigger x1	12V Trigger x1
	3D Sync out x1	3D Sync out x1	DisplayPort x1
	IR Receiver (Front) x1	IR Receiver (Front) x1	IR Receiver (Front) x1
	IR Receiver (Rear) x1	IR Receiver (Rear) x1	IR Receiver (Top) x1
		Kensington anti-theft lock slot x1	Kensington anti-theft lock slot x1
Compatibility			
Resolution Support	VGA (640 x 480) to 4K UHD (3840 x 2160)	VGA(640 x 480) to WUXGA_RB(1920 x 1200)	VGA (640 x 480) to 4K UHD (3840 x 2160)
*RB: Reduced Blanking *4K input compatible	15 ~ 102KHz	15 ~ 102KHz	15 ~ 102K Hz
Horizontal Frequency	15K ~ 135KHz	15 ~ 102KHz	15K ~ 135KHz
Vertical Scan Rate	23 ~ 120Hz	24 ~120 Hz	23 ~ 240 Hz
HDTV Compatibility	480i, 480p, 576i, 567p, 720p, 1080i, 1080p	480i, 480p, 576i, 567p, 720p, 1080i, 1080p	480i, 480p, 576i, 576p, 720p, 1080i, 1080p, 2160p
Video Compatibility	NTSC, PAL, SECAM	NTSC, PAL, SECAM	NTSC, PAL, SECAM
Power			
Power Consumption (Typical)	440W	440W	440W
Standby Power Consumption	Normal < 0.5W Network < 2W	Normal < 0.5W Network < 2W	Normal < 0.5W Network < 2W
Power Supply	100 ~ 240V AC	100 ~ 240V AC	100 ~ 240V AC
Dimension and Weight			
Product Dimensions (WxHxD)	416 x 166 x 351 mm	416 x 166 x 351 mm	416 x 166 x 351 mm
Product Weight (kg)	7 kg	7 kg	7 kg
Operation Condition			
Noise Level (Normal/Eco)	39/32 dBA	32/39 dBA	40/33 dBA
Operating Temperature	0 ~ 40°C	0 ~ 40°C	0 ~ 40°C
Accessories			
Accessories (Standard)	Power Cord Remote control (RCA011) AAA Battery x 2 Installation Guide / Regulatory Statement (Combined) Warranty card (by sku)	Remote Control w/ Battery (RCA011) Power Cord (by region) x 1 (1.8m) 3D Glasses: DGD5 (optional) Installation Guide x 1 (8L) Warranty Card Universal Ceiling Mount (CMG3) x 1	Remote Control w/ Battery (RCA011) Power Cord (by region) x 1 (1.8m) 3D Glasses: DGD5 (optional) Installation Guide x 1 (8L) Warranty Card Universal Ceiling Mount (CMG3) x 1
OSD			
On Screen Display Language	Arabic / Bulgarian / Croatian / Czech / Danish / Dutch / English / Finnish / French / Germa n/ 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 / Germa n/ 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 / Germa n/ Greek / Hindi / Hungarian / Italian / Indonesian / Japanese / Korean / Norwegian / Persian / Polish / Portuguese / Romanian / Russian / Simplified Chinese / Spanish / Swedish / Turkish / Thai / Traditional Chinese / Vietnam (30 languages)
Environmental Notice			
*Lamp in this product contains mercury. To dispose of the product or used lamps, consult your local environment authorities for regulations or see www.lamprecycle.org.			
*Lamp life results will vary depending on environmental conditions and usage. Actual product's features and specifications are subject to change without notice.			
*Offset is calculated by full-screen height.			

Function Room

Models	Smart Projector EW800ST	Smart Projector EX800ST	LU930	LU710
				
Display				
Resolution	WXGA (1280 x 800 pixels)	XGA (1024 x 768 pixels)	WUXGA (1920x1200 pixels)	WUXGA (1920x1200 pixels)
Brightness	3300 Lumens	3300 Lumens	5000 Lumens	4000 Lumens
Contrast Ratio	20,000:1	20,000:1	3,000,000:1	3,000,000:1
Display Color	1.07 Billion Colors	1.07 Billion Colors	30 Bits (1.07 billion colors)	30 Bits (1,07 billion colors)
Aspect Ratio	Native 4:3 (5 aspect ratio selectable)	Native 4:3 (5 aspect ratio selectable)	Native 16:10 (5 aspect ratio selectable)	Native 16:10
Light Source	Lamp 200W	Lamp 200W	Laser	Laser
Optical				
Throw Ratio	0.49	0.61	1.36~2.18	1.13 ~ 1.46
Zoom Ratio	Fixed	Fixed	1.6x	1.3x
Lens	N/A	N/A	F/# = 1.81 ~ 2.1,f = 14.3 ~ 22.9 mm	F/# = 1.94 ~ 2.07,f = 11.9 ~ 15.5 mm
Lens Shift	N/A	N/A	Vertical ± 60 degrees Horizontal ± 23 degrees	N/A
Keystone Correction	1D Vertical ± 30 degrees	1D Vertical ± 30 degrees	2D Vertical ± 30 degrees Horizontal ± 30 degrees	2D Vertical ± 30 degrees Horizontal ± 30 degrees
Lens Control	Manual Focus	Manual Focus	Manual Focus	Manual Focus
Projection Offset**	115±2.5%	115±2.5%	0%	100%
Projection Size	70"~120"	60"~120"	30" ~ 300"	30" ~ 300"
Audio				
Built-in Speaker	2W	2W	10W x2	10W x2
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
Smart System				
OS System	Android 6.0	Android 6.0	N/A	N/A
ROM/RAM	16GB/2GB	16GB/2GB	N/A	N/A
Wireless				
Wireless	Dual Band 802.11ac/b/g/n, 2.4G/5G	Dual Band 802.11ac/b/g/n, 2.4G/5G	N/A	N/A
Bluetooth	4.0	4.0	N/A	N/A
Connectivity				
	HDMI x1	HDMI x1	HDMI x2	Computer in 1 (D-sub 15pin) x1
	PC (D-sub 15pin) x1	PC (D-sub 15pin) x1	PC (D-sub 15pin) x1	Computer in 2 (5BNC, R/G/B/H/V) x1
	Monitor out (D-sub 15pin, Female) x1	Monitor out (D-sub 15pin, Female) x1	Monitor out (D-sub 15pin,Female) x1	Monitor out (D-sub 15pin) x1
	Audio in (Mini Jack) x1	Audio in (Mini Jack) x1	Audio in (Mini Jack) x1	HDMI x2
	Audio out (Mini Jack) x1	Audio out (Mini Jack) x1	Audio out (Mini Jack) x1	DVI-D in x1
	RS232 In (D-sub 9pin, male) x1	RS232 In (D-sub 9pin, male) x1	RS232 In (D-sub 9pin, male) x1	LAN (RJ45) x1
	LAN Port (RJ45 for Network) x1	LAN Port (RJ45 for Network) x1	LAN Port (RJ45 for Network) x1	RS232 in x1
	USB TypeA-1 x1	USB TypeA-1 x1	USB TypeA-2 (5V,1.5A, Service) x1	HDBaseT x1
	USB TypeA-2 (5V, 1.5A) x1	USB TypeA-2 (5V, 1.5A) x1	Component Video in x1	RS232 out x1
	USB Type mini B x1	USB Type mini B x1	Composite Video in (RCA) x1	Trigger x1
	IR Receiver (Front + Top) x1	IR Receiver (Front + Top) x1	RCA Audio in- L/R x1	3D sync in x1
			IR Receiver (Front+Top) x2	3D Sync out x1
			12V Trigger x1	Wired Remote in & out x1
			Kensington anti-theft lock slot x1	USB-B (service) x1
				USB-A (5V/2A) x1
				Audio in x1
				IR Receiver x2
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	15~102KHz	15~102KHz	15~102KHz	15~102K Hz
Vertical Scan Rate	23~120 Hz	23~120 Hz	23~120 Hz	23~120 Hz
HDTV Compatibility	480i, 480p, 576i, 567p, 720p, 1080i, 1080p	480i, 480p, 576i, 567p, 720p, 1080i, 1080p	480i, 480p, 576i, 567p, 720p, 1080i, 1080p	480i, 480p, 576i, 567p, 720p, 1080i, 1080p
Video Compatibility	NTSC, PAL, SECAM	NTSC, PAL, SECAM	NTSC, PAL, SECAM	NTSC, PAL, SECAM
Power				
Power Consumption (Normal)	280W	280W	415W	290W
Standby Power Consumption	Network Standby < 2W, Standby < 0.5W	Network Standby < 2W, Standby < 0.5W	Normal < 0.5W, Network < 2W	Network Standby < 2W, Standby < 0.5W
Power Supply	100 ~ 240V AC	100 ~ 240V AC	100 ~ 240V AC	100 ~ 240V AC
Dimension and Weight				
Product Dimensions (W x H x D)	296 x 120x 250mm	296 x 120 x 250mm	416 x 166 x 351 mm	410 x 158 x 272 mm
Product Weight	2.6 Kg	2.6 Kg	6.3 Kg	5.6 kg
Operation Condition				
Noise Level	33/29 dBA	33/29 dBA	37/30 dBA	33 /29 dBA
Operating Temperature	0 ~ 40°C	0 ~ 40°C	0~40°C	0~40°C
Accessories				
Accessories (Standard)	Wireless Dongle: WDR02U Power Cord (by region) Remote Control w/ Battery (RCI023) VGA cable Warranty Card (by region) Quick Start Guide	Wireless Dongle: WDR02U Power Cord (by region) Remote Control w/ Battery (RCI023) VGA cable Warranty Card (by region) Quick Start Guide	Power Cord (by region) Remote Control w/ Battery (RCE016) HDMI cable Quick Start Guide Warranty Card (by region)	Power Cord (by region) Remote Control w/ Battery (RCE015) VGA (D-sub 15pin) Cable User Manual CD Quick Start Guide Warranty Card (by region)
Accessories (Optional)	Spare Lamp Kit (5J.JLR05.001) 3D Glasses (5J.J9H25.002) Wall mount (WM06G3) Carry Bag	Spare Lamp Kit (5J.JLR05.001) 3D Glasses (5J.J9H25.002) Wall mount (WM06G3) Carry Bag	3D Glasses (5J.J9H25.002) Ceiling mount (CMG3) Wireless Kit - InstaShow WDC10 Wireless Kit - InstaShow WDC20 QCast Qcast Mirror	Wireless Kit - Instashow WDC10 (9H.JF878.N4X) Wireless Dongle - QCast (5J.JCK28.X01) Wireless Dongle - QCast Mirror (5A.JH328.10X) 3D Glasses (5J.J9H25.002) Ceiling mount (5J.JAM10.001) 3mm Dust Filter (FTFS01) 10mm Dust Filter (FTFC01)
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/TraditionalChinese/Vietnamese /Farsi (30 Languages)	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/TraditionalChinese/Vietnamese /Farsi (30 Languages)	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/TraditionalChinese/Vietnamese /Farsi (30 Languages)	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)
Environmental Notice				
*Lamp in this product contains mercury. To dispose of the product or used lamps, consult your local environment authorities for regulations or see www.lamprecycle.org.				
*Lamp life results will vary depending on environmental conditions and usage. Actual product's features and specifications are subject to change without notice.				
*Offset is calculated by full-screen height.				

Interactive Display

Models	Pro RP03 Series		Master RM03 Series		Essential RE03 Series	
						
Panel						
Screen Size	65", 75", 86"		65", 75", 86"		65", 75", 86", 98"	
Panel Type	IPS		IPS		IPS	
Resolution	UHD 4K		UHD 4K		UHD 4K	
Brightness (Typical)	65": 400 nits 75": 450 nits 86": 450 nits		65": 350 nits 75": 450 nits 86": 400 nits		65": 400 nits 75": 400 nits 86": 400 nits 98": 400 nits	
Dynamic Contrast Raito (Typical)	30,000:1		30,000:1		30,000:1	
View Angle (Horizontal / Vertical)	178° / 178°		178° / 178°		178° / 178°	
Response Time (ms)	8ms		8ms		8ms	
Panel Bit	10 bit		10 bit		10 bit	
Light Life (Typical)	50,000 hours		50,000 hours		50,000 hours	
Display Orientation	Landscape		Landscape		Landscape	
Glass						
Hardness	3.2mm, 9H		3..2mm, 9H		3.2mm, 9H	
Anti-Glare	AG, Haze 25%		AG, Haze 25%		AG, Haze 25%	
Touch						
Touch Technology	Fine IR+		Fine IR+		Fine IR+	
Numbers of Touch	Up to 40 points		Up to 40 points		Up to 40 points	
Bonding Technology	Zero Bonding		Zero Bonding		Zero Bonding	
Connectivity						
Input	Power (AC) Inlet	x 3 (2.0)	Power (AC) Inlet	x 3 (2.0)	Power (AC) Inlet	x 3 (2.0)
	VGA w/ AUDIO-IN	x 1	VGA w/ AUDIO-IN	x 1	VGA w/ AUDIO-IN	x 1
	HDMI	x 3 (2.0)	HDMI	x 3 (2.0)	HDMI	x 3 (2.0)
	Display Port	x 1 (1.2a)	Display Port	x 1 (1.2a)	Display Port	x 1 (1.2a)
	USB Type A	x 7 (USB 3.0 x 5 + USB 2.0 x 2)	USB Type A	x 7 (USB 3.0 x 5 + USB 2.0 x 2)	USB Type A	x 4 (USB 2.0 x 2 + USB 3.0 x 2 OPS follow)
	USB Type B (for touch)	3 x 3.0	USB Type B	2 × 2.0 + 1 × 3.2 Gen1	USB Type B (for touch)	2 × 2.0
	USB Type C	x 2	USB Type C	x 1	USB Type C	x 1
	Mic in (3.5mm)	x 1	Mic in (3.5mm)	x 1	Mic in (3.5mm)	x 1
	LAN	x 2	LAN	x 2	LAN	x 2
	RS232	x1 (2.0)	RS232	x1 (2.0)	RS232	x1 (2.0)
Output	HDMI	x 1 (2.0)	HDMI	x 1 (2.0)	HDMI	x 1 (2.0)
	Line out (3.5mm)	x 1	Line out (3.5mm)	x 1	Line out (3.5mm)	x 1
	SPDIF	x 1	SPDIF	x 1	SPDIF	x 1
Others	Array Microphone	x 8	Array Microphone	x 6	Array Microphone	N/A
	NFC Reader/Writer	x 1	NFC Reader/Writer	N/A	NFC Reader/Writer	N/A
	Motion Sensor	x 1	Motion Sensor	N/A	Motion Sensor	N/A
	Light Sensor	x 1	Light Sensor	x 1	Light Sensor	x 1
	IR receiver	x 1	IR receiver	x 1	IR receiver	x 1
	OPS Slot	x 1	OPS Slot	x 1	OPS Slot	x 1
Peripheral						
Camera	Optional		Optional		Optional	
Built-in Microphone	Built-in Array Microphone x 8		Built-in Array Microphone x 6		No	
Built-in Speaker	Speakers 16W x 2 & Subwoofer 16W x 1		Speakers 16W x 2		Speakers 15W x 2 Speakers 16W x 2 (98")	
RAM & ROM						
RAM	8GB		8GB		4GB	
Storage	64GB		32GB		32GB	
Mechanical						
Weight (Without / With Packing) (kg)	65": 43 kg | 56 kg 75": 55.5 kg | 70 kg 86": 70.2 kg | 87 kg		65": 41.5 kg | 57.5 kg 75": 53.0 kg | 72.0 kg 86": 68.5 kg | 89.5 kg		65": 36.1 kg | 46.1 kg 75": 48.2 kg | 61.9 kg 86": 59.9 kg | 76.6 kg 98": 113 kg / 168 kg	
"Dimension (WxHxD) (mm) (Without Packing)"	65": 1489.3 × 934.3 × 121.5 mm 75": 1717.1 × 1065.3 × 121.3 mm 86": 1962.4 × 1203.4 × 121.4 mm		65": 1506.0 × 951.0 × 122.2 mm 75": 1717.0 × 1065.0 × 121.5 mm 86": 1962.4 × 1203.4 × 121.4 mm		65": 1488.3 × 87.5 × 896.6 mm 75": 1709.4 × 87.7 × 1020.2 mm 86": 1957 × 99.7 × 1159.9 mm 98": 2244.9 × 1340.4 × 108.2 mm	
Wall Mounting (VESA) (mm)	4 holes (400 x 200mm) Screw M8 x 25 mm		4 holes (400 x 200mm) Screw M8 x 25 mm		4 holes (800 x 400mm) Screw M8 x 25 mm	
Wall Mount	Included		Included		Included	
ClassroomCare© Technology						
Germ-Resistant Screen	Yes		Yes		Yes	
Flicker-Free	Yes		Yes		Yes	
Low Blue-Light	Yes		Yes		Yes	
Air Quality Sensor	Yes		No		No	
Air Ioniser	Yes		No		No	
Package / Accessory						
Remote Controller (with 2.4G Dongle & Battery)	x1		x1		x1	
Power Cord	By Region		By Region		By Region	
Cable	VGA (3m) x1, HDMI (3m)x1 , USB-B for touch (3m) x1, USB-C (1.5m) x1		VGA (3m) x1, HDMI (3m)x1 , USB-B for touch (3m) x1, USB-C (1.5m) x1		VGA (1.5m) x1, HDMI (3m) x1, USB for touch (3m) x1, TYPE-C (1.5m) x1	
Quick Start Guide	x1		x1		x1	
User's Manual Electronic File	x1		x1		x1	
Touch Pen	x2		x2		x2	
Optional						
Optional Accessory	InstaShow, WiFi Dongle, OPS, Trolley, Camera		InstaShow, WiFi Dongle, OPS, Trolley, Camera		InstaShow, WiFi Dongle, OPS, Trolley, Camera	

Camera

Models	DVY31	DVY32	DVY23
			
Camera			
Dimensions (H × W × D)	102.0 mm × 47.3 mm × 29.9 mm	180.1 mm × 47.4 mm × 44 mm	150 mm × 181 mm × 116 mm
Weight	0.16 kg (0.35 lbs)	0.40 kg (0.88 lbs)	1.38 kg (3.04 lbs)
Sensor	1080P FHD	4K UHD	1080P FHD
Resolution	1080p, 720p, SD@30 fps	Main Stream: 4K@30fps, 1080p@60fps/30 fps, 720p@90fps/60fps/30fps Sub Stream: 720P, 480P@30fps/25fps	1080p, 720p, SD@30 fps
Field of View	Horizontal: 85° Vertical: 52° Diagonal: 92°	Horizontal: 110° Vertical: 72° Diagonal: 120°	Horizontal: 55° Vertical: 31° Diagonal: 63°
Zoom	-	Digital : 5x	Optical : 20x Digital : 10x
Pan | Tilt	-	Digital	±170° | -30° to 90°
Pan | Tilt speed	-	-	100°/sec | 45°/sec
Focus	Fixed	Fixed	Auto and manual
Auto Framing	-	Yes	-
Preset Positions	-	• Remote: 3 • OSD: 10	• Remote: 10 • LAN: 255
Lens Type	Glass	Glass	Glass
Low Light Performance	0.5 Lux	0.1 Lux	0.5 Lux
Audio			
Microphone	Omnidirectional mics × 2 Pickup range: Up to 5m (16 ft)	Omnidirectional mics × 2 Pickup range: Up to 8m (26 ft)	-
Input	-	-	3.5 mm
Output	-	-	HDMI, Ethernet, SDI
Echo Cancellation	Yes	Yes	-
Connectivity			
Output	USB 2.0	USB 3.0	USB 3.0, HDMI, Ethernet, SDI
Ethernet	-	-	• 1GbE port • Power over Ethernet
Control Interface			
In | Out	-	-	RS232, RS422, RS485 | RS232
Power			
Voltage	5V	5V	12V
Compatibility			
Operating Systems	Windows 7, 8.1, 10, Linux, Chrome™ OS*, macOS™ 10.10 and higher *Contact BenQ service for available Chromebook models	Windows 7, 8.1, 10, Linux, Chrome™ OS*, macOS™ 10.10 and higher *Contact BenQ service for available Chromebook models	Windows 7 (1080P/720P), Windows 8.1, Windows 10, macOS 10.10, Linux (UVC), and later versions
BenQ Displays	CP01K, CS01, SL02K, ST02, RP02, RP03, RM02K, RE01, RE03 and later models		
USB	Plug and play	Plug and play	Plug and play
Package Contents			
Included	• 1080P FHD webcam • Privacy cover • USB cable (built-in) • Quick start guide	• 4K UHD conference cam • Privacy cover • Remote control • USB 3.0 Type-B cable • Quick start guide	• 1080P FHD PTZ conference cam • Remote control • Camera mount (built-in) • USB 3.0 Type-B • Power supply

LCD Monitor

Models	GW2780T	GW2785TC	PD2705Q
			
Display			
Screen Size	27”	27”	27”
Resolution	1920x1080	1920x1080	2560x1440
Panel Type	IPS	IPS	IPS
Aspect Ratio	16:9	16:9	16:9
Brightness	250 nits	250 nits	250 nits
Native Contrast (typ.)	1000:1	1000:1	1000:1
Viewing Angle	178/178	178/178	178/178
Color Gamut	72% NTSC	72% NTSC	100% Rec.709 ,100% sRGB
Monitor			
HDCP	1.4	1.4	2.2
VESA Wall Mount (mm)	100x100	100x100	100x100
Display Screen Coating	Anti-Glare	Anti-Glare	Anti-Glare
Connectivity	HDMI 1.4 / DP 1.2 / VGA / Headphone Jack / Line in	HDMI 1.4 / DP 1.2 / DisplayPort out (MST) / USB C / Daisy Chain Technology / Headphone Jack	HDMI 2.0 / DP 1.4 / DisplayPort out (MST) / USB C / Daisy Chain Technology / USB Type B / USB 3.1 / Headphone Jack
Eye-care			
Flicker-free Technology	YES	YES	YES
Low Blue Light	YES	YES	YES
Brightness Intelligence	YES	YES	YES
Power			
Voltage Rating	100-240V	100-240V	100-240V
Power Supply	Built-in	Built-in	Built-in
Power Consumption (normal)	18W	20.9W	24W
Power Consumption (max)	32W	110W	155W
Power Consumption (sleep mode)	<0.5W	<0.3W	<0.5W
Power Delivery (USB C / Thunderbolt 3)	-	60W	65W
Dimension and Weight			
Dimension (H x W x D mm) (w/o base)	381 x 612 x 50	371.8 x 612.3 x 56.1	367.9 x 614 x 57.2
Dimension (H x W x D mm)	411.6 - 551.6 x 612.3 x 238.2	405.4 - 535.4 x 612.3 x 234.9	428.5 - 549.22 x 614 x 230.7
Net Weight (kg) (w/o base)	4.5	4.9	5.7
Net Weight (kg)	6.6	7.8	8.5
Gross Weight (kg)	8.7	-	-
Tilt (down/up)	-5˚ - 35˚	-5˚ - 20˚	-5˚ - 20˚
Swivel (left/right)	175/175	45˚/45˚	45˚/45˚
Pivot	90˚	90˚	90˚
Height Adjustment (mm)	140	130	140
Environmental Standards			
Energy Star	8.0	8.0	8.0
EPEAT	Bronze	Bronze	Bronze
Compliant			
TCO	8.0	8.0	8.0
Certification			
TUV Certificate	Flicker-free, Low Blue Light	Eyesafe Flicker-free Low Blue Light	Flicker-free, Low Blue Light
Solidworks	-	-	YES
Calman Verified	-	-	YES
Pantone Validated	-	-	YES

LCD Monitor

Models	PD2725U	SW270C	SW271C
			
Display			
Screen Size	27”	27”	27”
Resolution	3840x2160	2560x1440	3840x2160
Panel Type	IPS	IPS	IPS
Aspect Ratio	16:9	16:9	16:9
Brightness	250 nits	300 nits	300 nits
Native Contrast (typ.)	1200:1	1000:1	1000:1
Viewing Angle	178/178	178/178	178/178
Color Gamut	100% Rec.709, 100% sRGB, 95% P3	100% sRGB, 97% P3, 99% AdobeRGB	100% sRGB, 90% P3, 99% AdobeRGB
Monitor			
HDCP	2.2	2.2	2.2
VESA Wall Mount (mm)	100x100	100x100	100x100
Display Screen Coating	Anti-Glare	Anti-Glare	Anti-Glare
Connectivity	HDMI 2.0 / DP 1.4 / Thunderbolt 3 / Thunderbolt 3 out / Daisy Chain Technology / USB Type B / USB 3.1 / Headphone Jack	Card Reader / HDMI 2.0 / DP 1.4 / USB-C / USB Type B / USB 3.1 / Headphone Jack	Card Reader / HDMI 2.0 / DP 1.4 / USB-C / USB Type B / USB 3.1
Eye-care			
Flicker-free Technology	YES	-	-
Low Blue Light	YES	-	-
Brightness Intelligence	-	-	-
Power			
Voltage Rating	100-240V	100-240V	100-240V
Power Supply	Built-in	Built-in	Built-in
Power Consumption (normal)	44W	36.1W	37W
Power Consumption (max)	185W	150W	160W
Power Consumption (sleep mode)	<0.5W	<0.5W	<0.5W
Power Delivery (USB C / Thunderbolt 3)	65W	60W	60W
Dimension and Weight			
Dimension (HxWxD mm) (w/o base)	360 x 614.8 x 80.3	368.9 x 613.8 x 62.7	387.6 x 647 x 74.6
Dimension (HxWxD mm)	449.8 - 599.8 x 614.8 x 273.3	505 - 611.45 x 613.8 x 285.3	503 - 618.7 x 647 x 285.3
Net Weight (kg) (w/o base)	5.6	6.5	7.1
Net Weight (kg)	8.3	10.3	10.9
Gross Weight (kg)	10.8	19.3	21.2
Tilt (down/up)	-5˚ - 20˚	-5˚ - 20˚	-5˚ - 20˚
Swivel (left/right)	30˚/30˚	45˚/45˚	45˚/45˚
Pivot	90˚	90˚	90˚
Height Adjustment (mm)	150	150	150
Environmental Standards			
Energy Star	-	-	-
EPEAT	-	-	-
Compliant			
TCO	-	-	-
Certification			
Solidworks	YES	-	-
Calman Verified	YES	YES	YES
Pantone Validated	YES	YES	YES