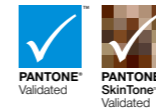Pantone® Validated Signage

A different class of color

Simplify signage with the SL04 series. Accurately deliver Pantone colors, harness the power of Google, and enjoy easy content control for impactful school and classroom communication.

Art Class Lesson 1: Use the Color Wheel

My Artwork

I got the idea for Dream Garden from a dream. Painting it has deepened my understanding of how colors convey emotions.

Color Palette

BenQ Education
Shape the Future of Learning

Pantone® Validated Signage
SL4304/SL5504/SL6504/SL7504/SL8604

PANTONE Validated | PANTONE SkinTone Validated
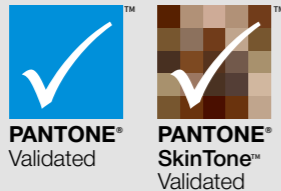Pantone colors

X-Sign
Signage enhanced

Core services

A series of firsts

The SL04 is the world's first signage to be Pantone Validated, Pantone® SkinTone™ Validated, and Google EDLA certified, and features a vivid color gamut and powerful signage content management.

Pantone colors

The SL04 reproduces the brilliance of Pantone colors and the diverse skin tones in the Pantone SkinTone Guide.

Signage enhanced

Deliver real-time and scheduled messages, signage, and more across campus with BenQ X-Sign.

Core services

The SL04 comes with Google core services, including the Play Store, for seamless access to apps and regular security updates.

Vibrant color accuracy

With a 99% sRGB color gamut (CIE 1976) and innovative color modes for various scenarios, the SL04 series offers outstanding color accuracy.

See the world in Pantone colors

The SL04 is the world's first Pantone Validated and Pantone SkinTone Validated signage. Pantone mode delivers the vibrant hues of the Pantone palette and the nuanced tones of the Pantone SkinTone Guide to enhance color-focused classes.
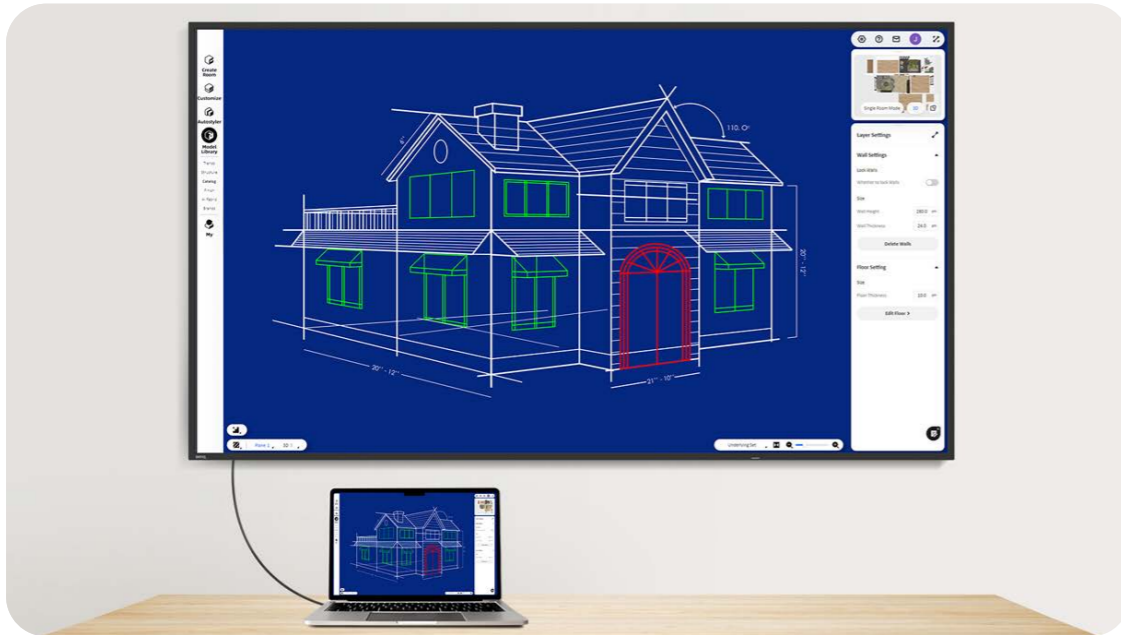
Your MacBook®, faithfully displayed

M-book mode ensures that the colors you see on your MacBook are accurately displayed on the SL04.

*MacBook® is a trademark of Apple Inc.

Vibrant color accuracy

Details made clearer than ever

High-detail mode enhances schematics, blueprints, and floor plans with improved contrast for greater clarity and precision in courses on architecture, engineering, urban planning, interior design, and more.

Your sketches brought to life

Sketch mode mimics the look of paper by converting images to grayscale, adding a subtle warmth, and reducing display brightness. This enhances visual comfort and saves energy, and is suited for courses in art, industrial design, fashion, and beyond.

Vibrant color accuracy

A truly cinematic experience

Cinema mode lets you play video projects, films, and signage videos with vivid colors and depth. Connect an HDMI cable for HDR delivery and enjoy brighter highlights, deeper blacks, and richly detailed shadows for an immersive visual experience.

*Cinema mode available in Q2 2025.

Your signage solution is here
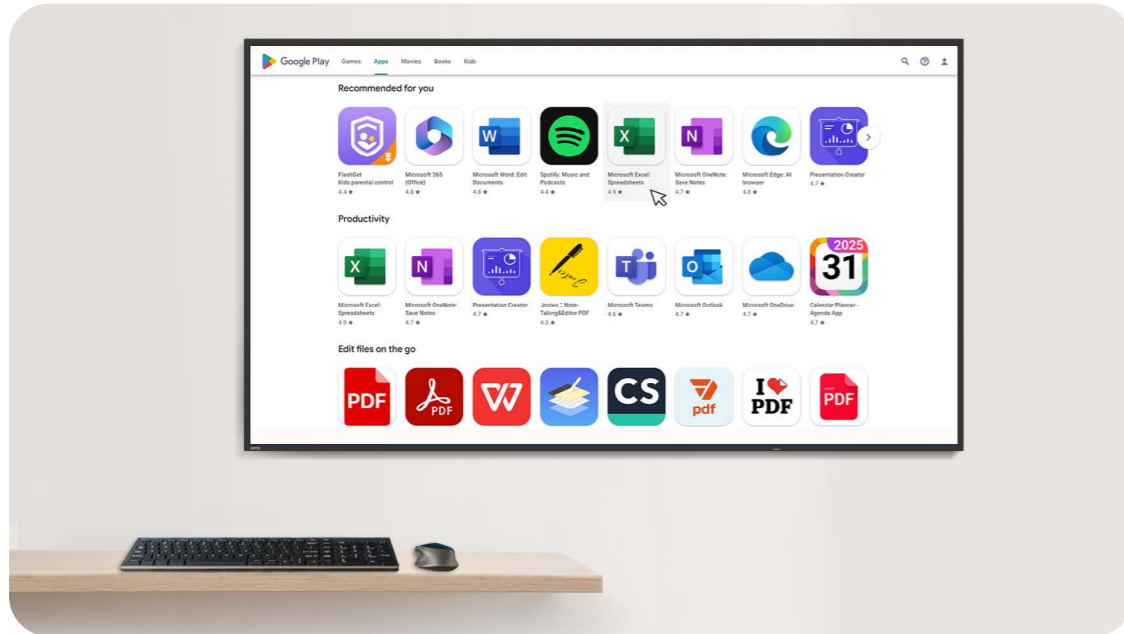

Vibrant brightness across campus

With 500 nits of brightness, the SL04 can easily display your content in hallways, cafeterias, libraries, and more.

Easy on the eyes

Enjoy reduced eye strain with an improved anti-glare screen and low blue light technology.

Your signage solution is here

Connect for a complete experience

Maximize the Google ecosystem on the SL04 by connecting USB devices such as a keyboard and mouse for truly seamless interaction.
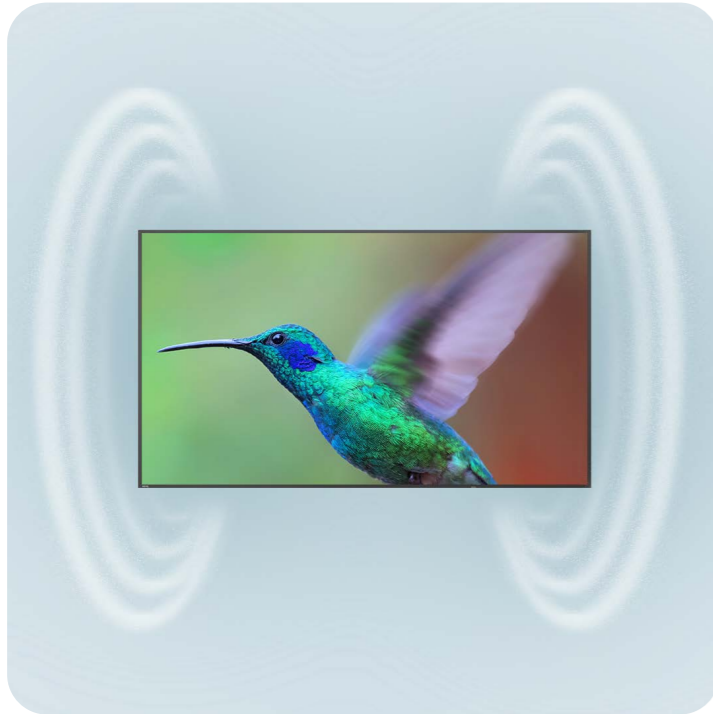

Display your way

Mount the VESA-compatible SL04 in portrait* or landscape mode to fit a variety of digital signage applications across campus.
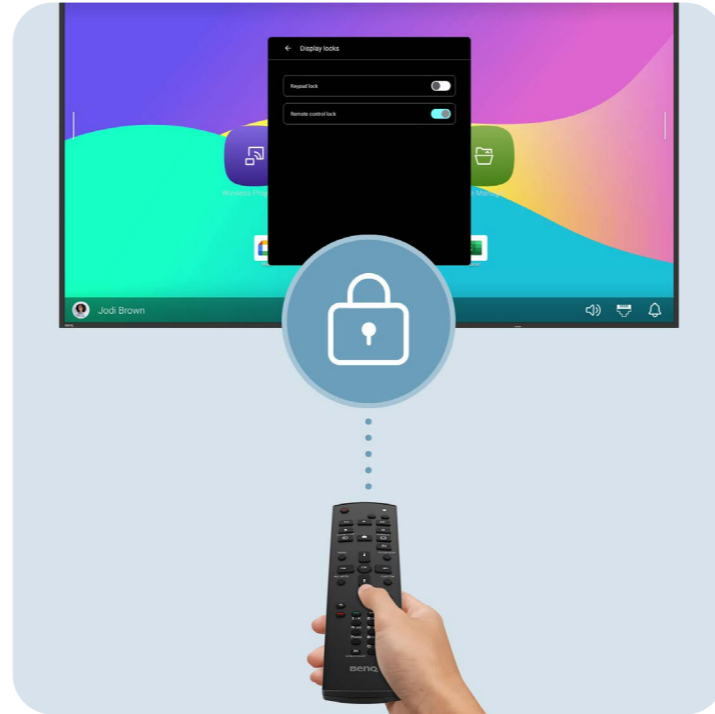
*Portrait mode available in Q1 2025.

Your signage solution is here

Audiovisual excellence

Two built-in 12 W speakers provide rich, immersive sound while the 4K display ensures vivid visuals that bring your content to life.

Control is in your hands

The SL04 features an IR sensor lock to block unauthorized control from universal remotes.

Enhanced hardware security

Dedicated Wi-Fi and USB covers add a further layer of protection at the hardware level for all your SL04 signage.

Keep everyone informed

Manage messages from anywhere

Remotely create, manage, and display signage content on every SL04 display, from announcements to menus and team scores, with X-Sign.
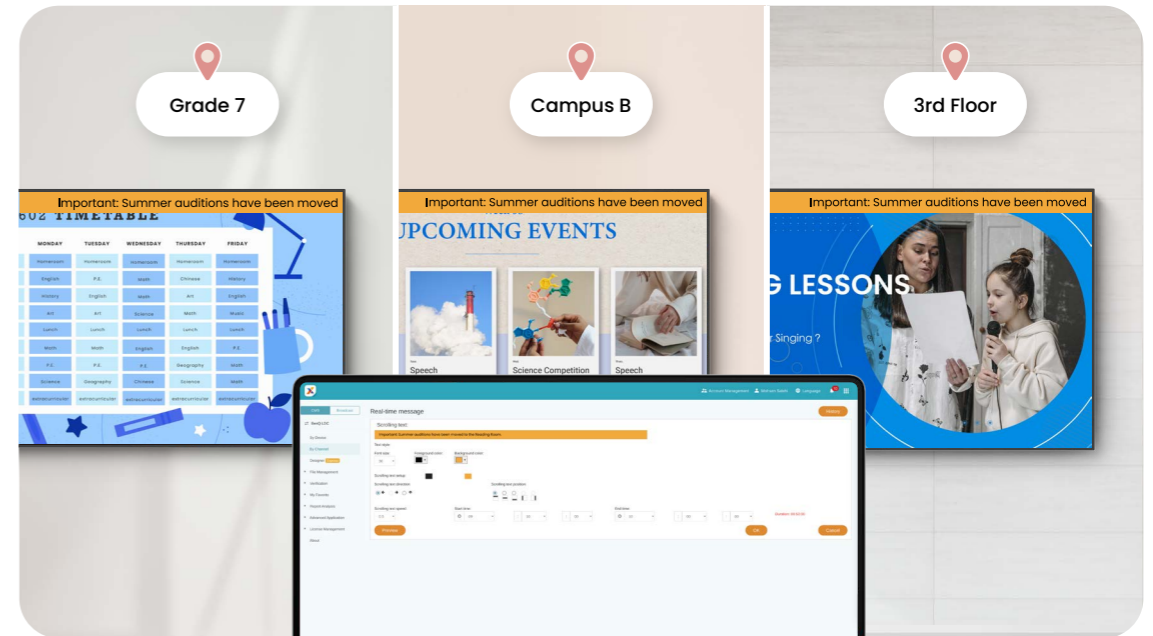
Inform everyone in real time

Use the advanced features in X-Sign to push real-time and scheduled announcements to every SL04 display in your school.

Keep everyone informed

Regular digital signage

BenQ SL04 digital signage
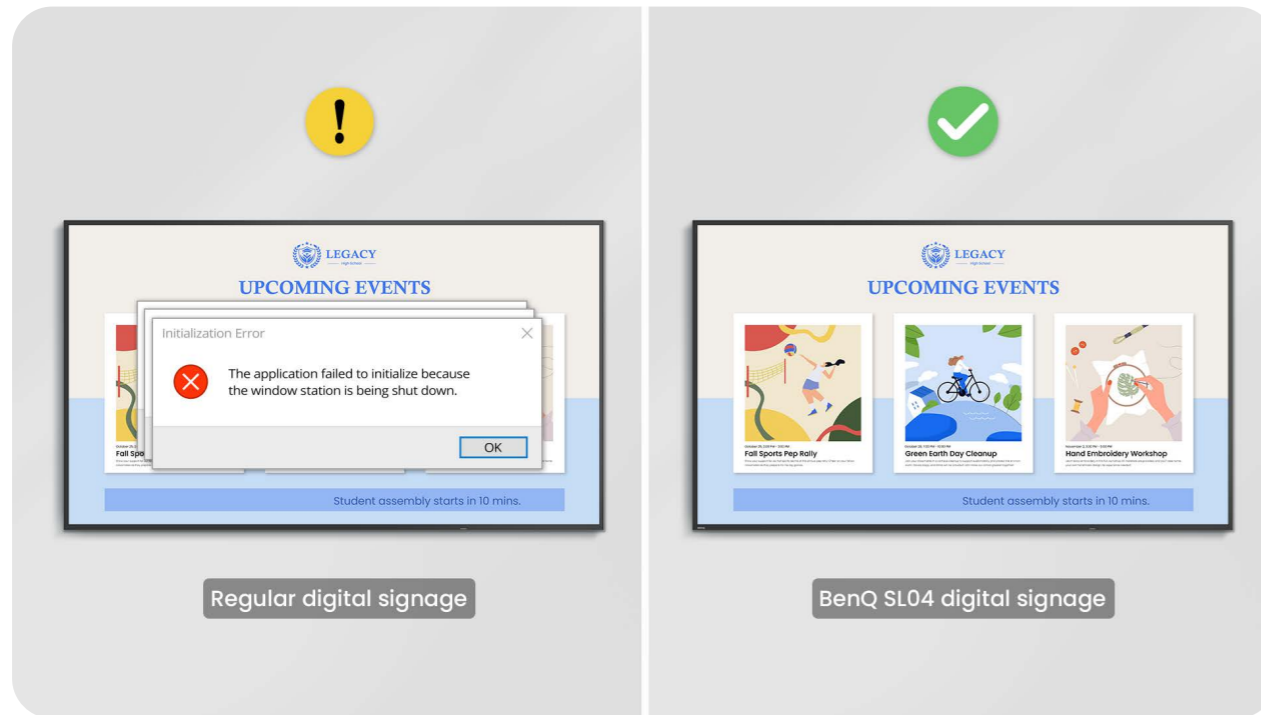
No surprise pop-ups

With X-Sign, you don't need to worry about your content being interrupted by message windows and other system alerts, making for a seamless signage solution.

Streamlined management

The BenQ ecosystem makes managing devices, apps, and user accounts simpler than ever to reduce the workload of IT and admin staff.

Streamlined management

Giving IT control from anywhere

With the BenQ Device Management Solution (DMS), IT admins can manage SL04 displays remotely, including managing device settings and power schedules, updating firmware, installing and blocking apps, and more.

Streamlined management
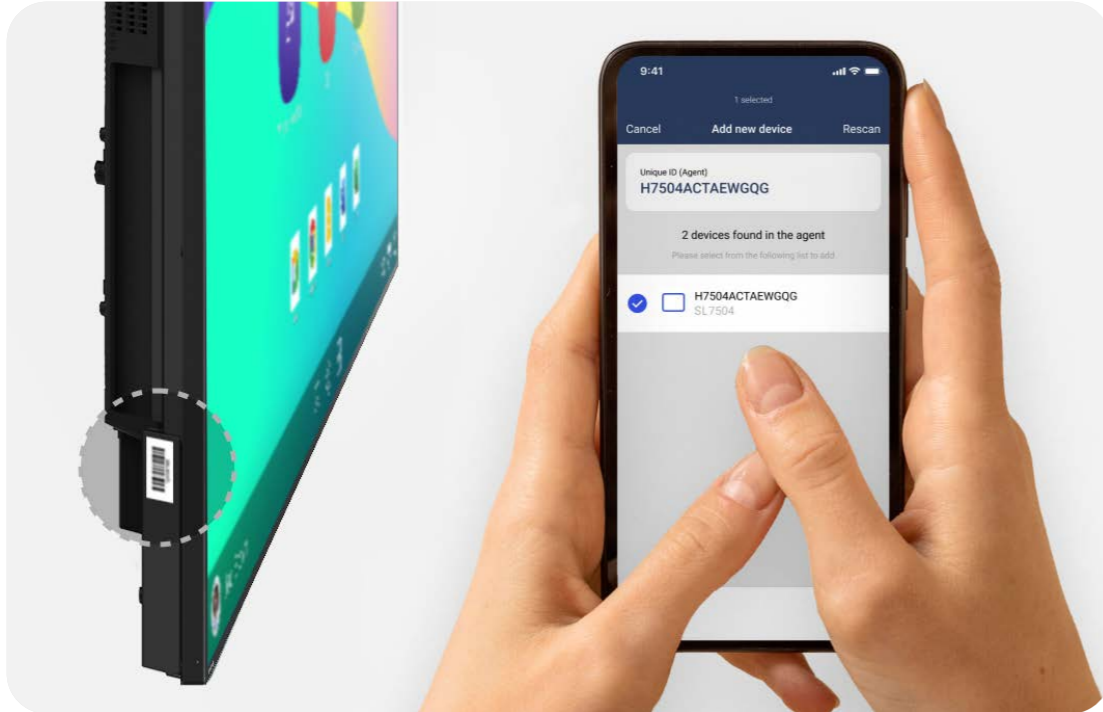
Easy provisioning

Quickly provision multiple new SL04 displays by simply scanning the barcode on the box or device to bind them to DMS.
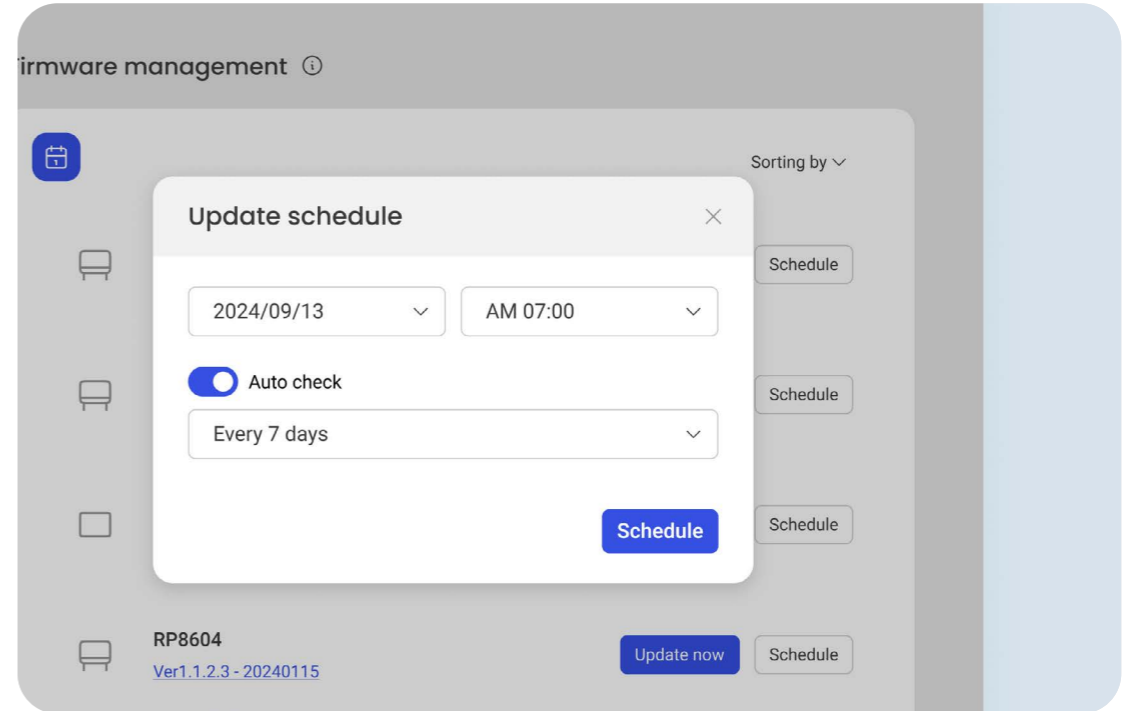
Timely firmware updates

Schedule firmware updates from DMS so your displays always have the latest features and security patches.

Designed for next-level teaching
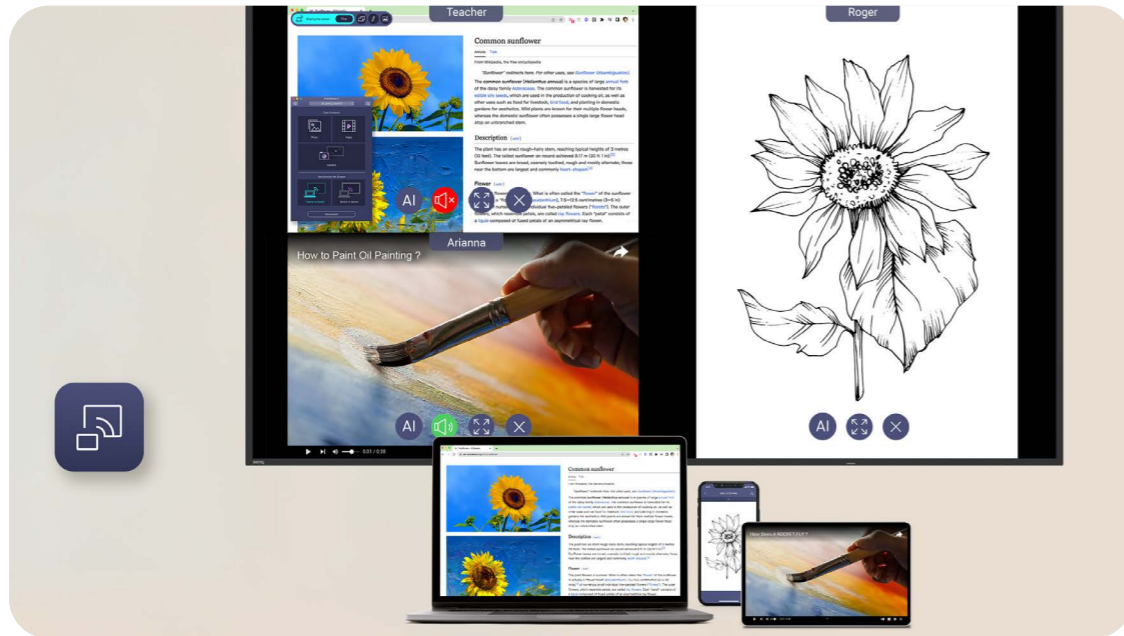
Sharing content made easy

Seamlessly share content across devices with InstaShare 2. Compatible with Windows, Android, macOS, iOS, iPadOS, and ChromeOS, InstaShare 2 lets you wirelessly cast material and control your presentation with its built-in smart controller for enhanced learning experiences.
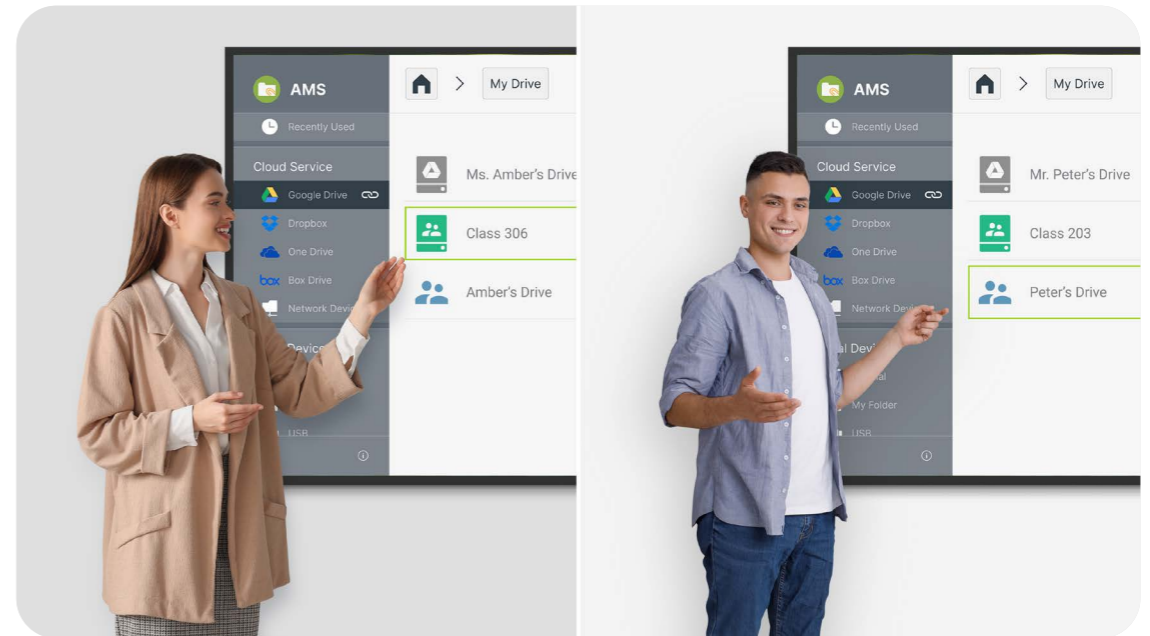
Your files, your space

Scan a QR code to securely log in with the BenQ Account Management System (AMS) to find your connected cloud drives, pinned apps, and website bookmarks. Only you can access your data on the display—no one else.

Designed for next-level teaching
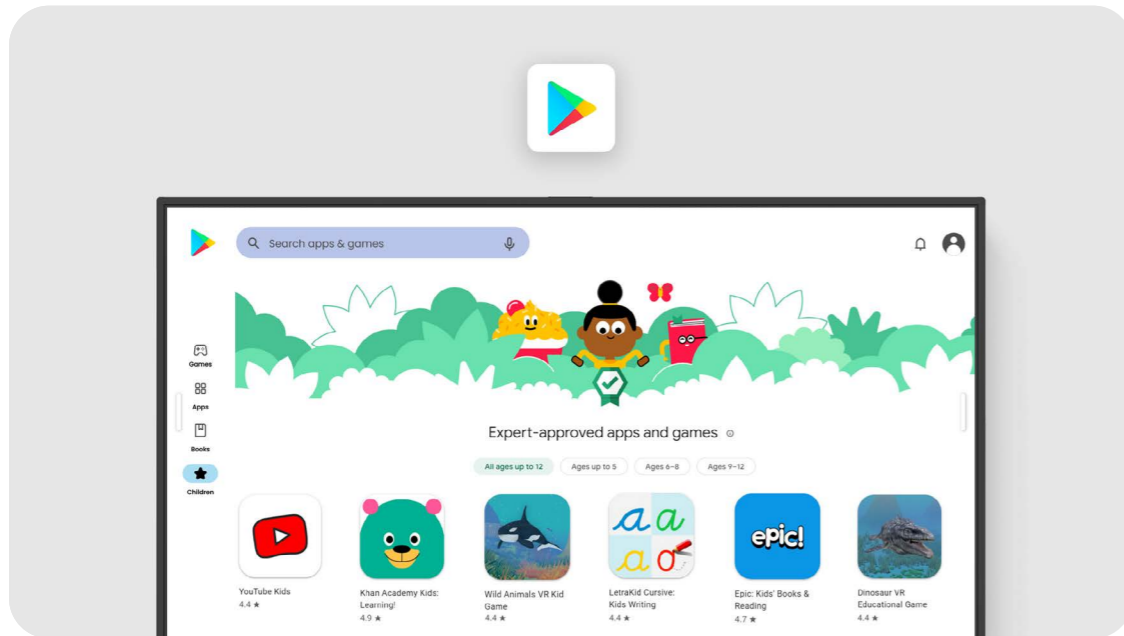
Just press Play

Access the vast library of apps on the Google Play Store thanks to EDLA certification. Teach with the programs you know so you can make learning engaging without missing a beat.
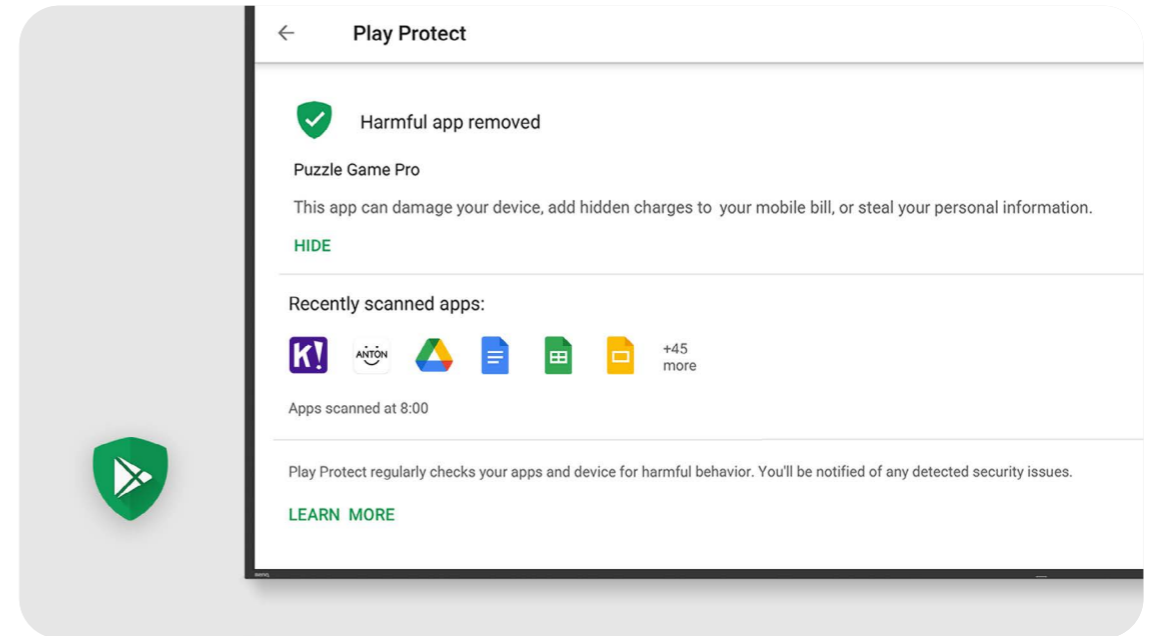
Built-in app security

Google Play Protect blocks potentially harmful apps from being downloaded to the SL04 and removes any previously installed apps showing malicious behavior.

Built-in sustainability
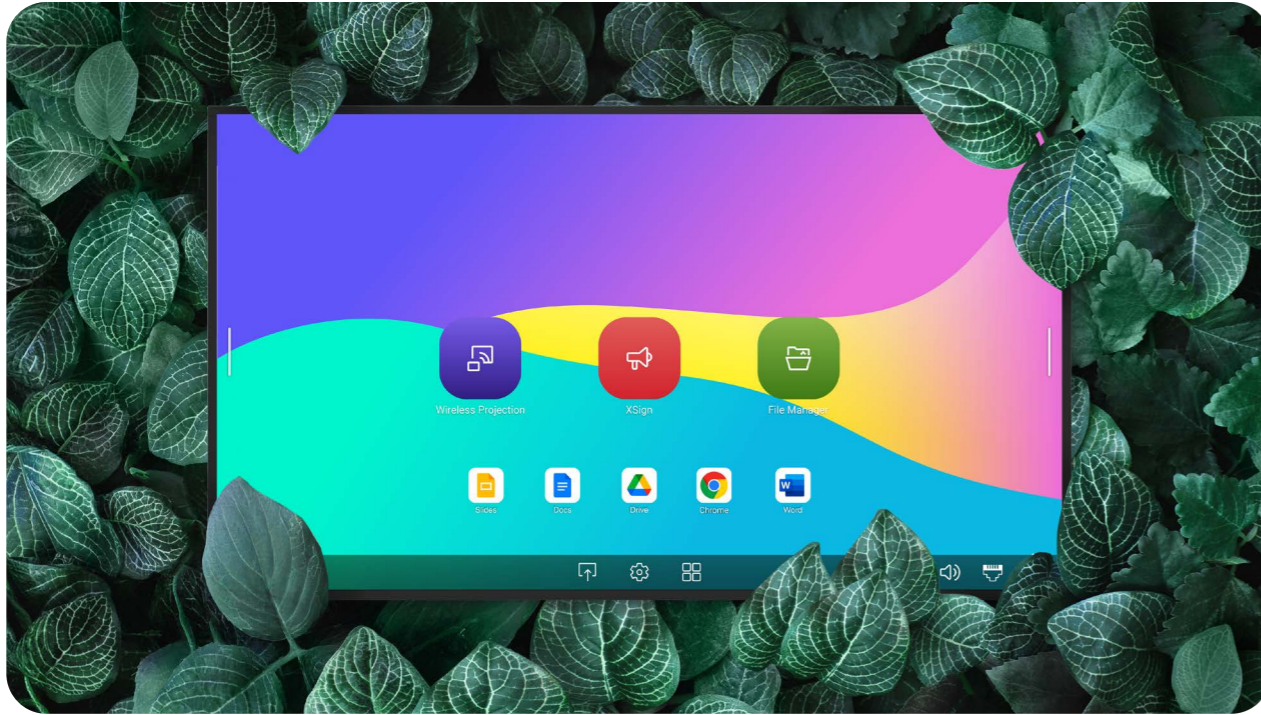
ENERGY STAR® Certified

The SL04 series is ENERGY STAR 8.0 certified to help you reduce emissions and save on energy costs.

Reduced packaging

We've halved the display's packaging size, increasing transport efficiency by 60% and reducing emissions.

Easy energy control

Streamline energy management with DMS by using sleep modes, power schedules, and real-time energy usage dashboards.

SL04 Device Specifications
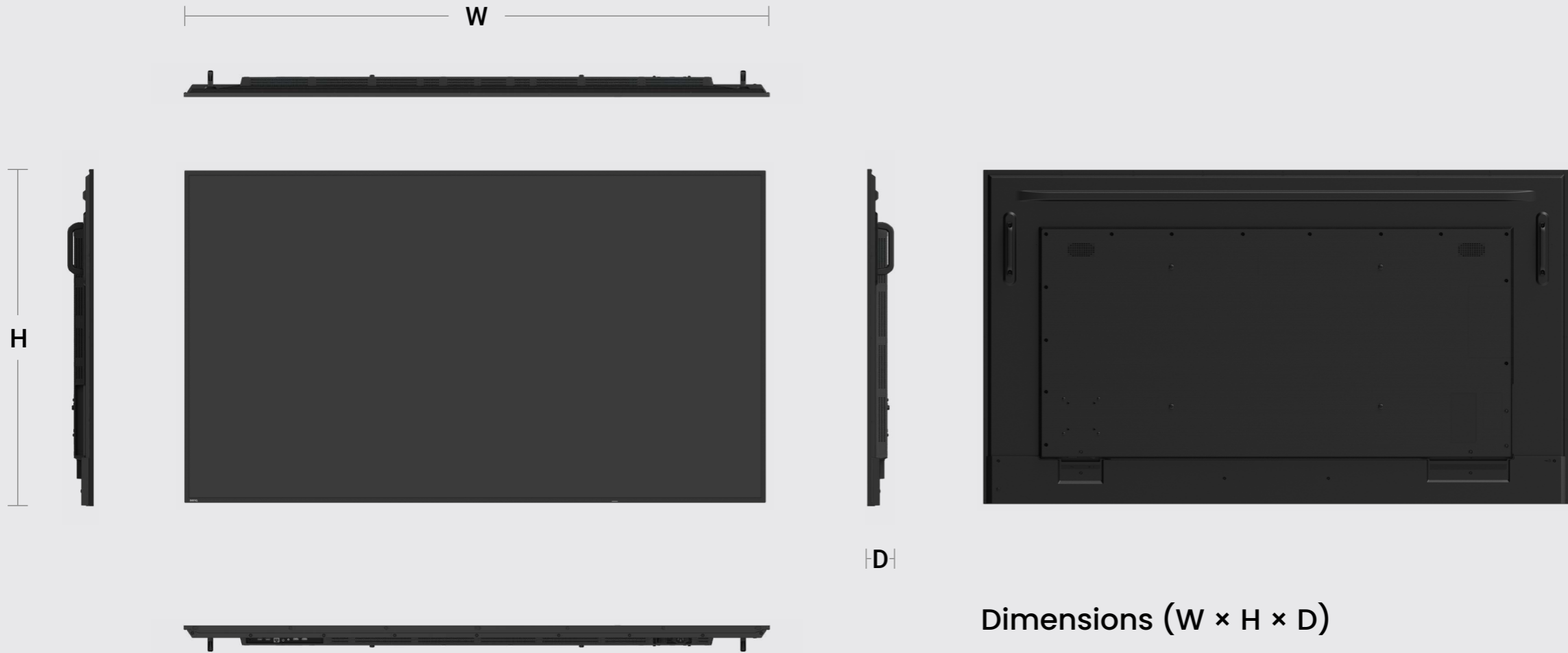
Dimensions (W × H × D)

SL4304 | 38.1 × 22 × 2.2 in (967.8 × 558.2 × 55.6 mm)

SL5504 | 48.7 × 27.9 × 2.2 in (1237.3 × 709.8 × 56.4 mm)

SL6504 | 57.3 × 32.8 × 2.2 in (1456.4 × 833.7 × 57 mm)

SL7504 | 66.1 × 37.8 × 2.2 in (1679.7 × 959 × 56.8 mm)

SL8604 | 75.9 × 43.2 × 2.3 in (1927 × 1098.5 × 59.5 mm)

SL04 Device Specifications
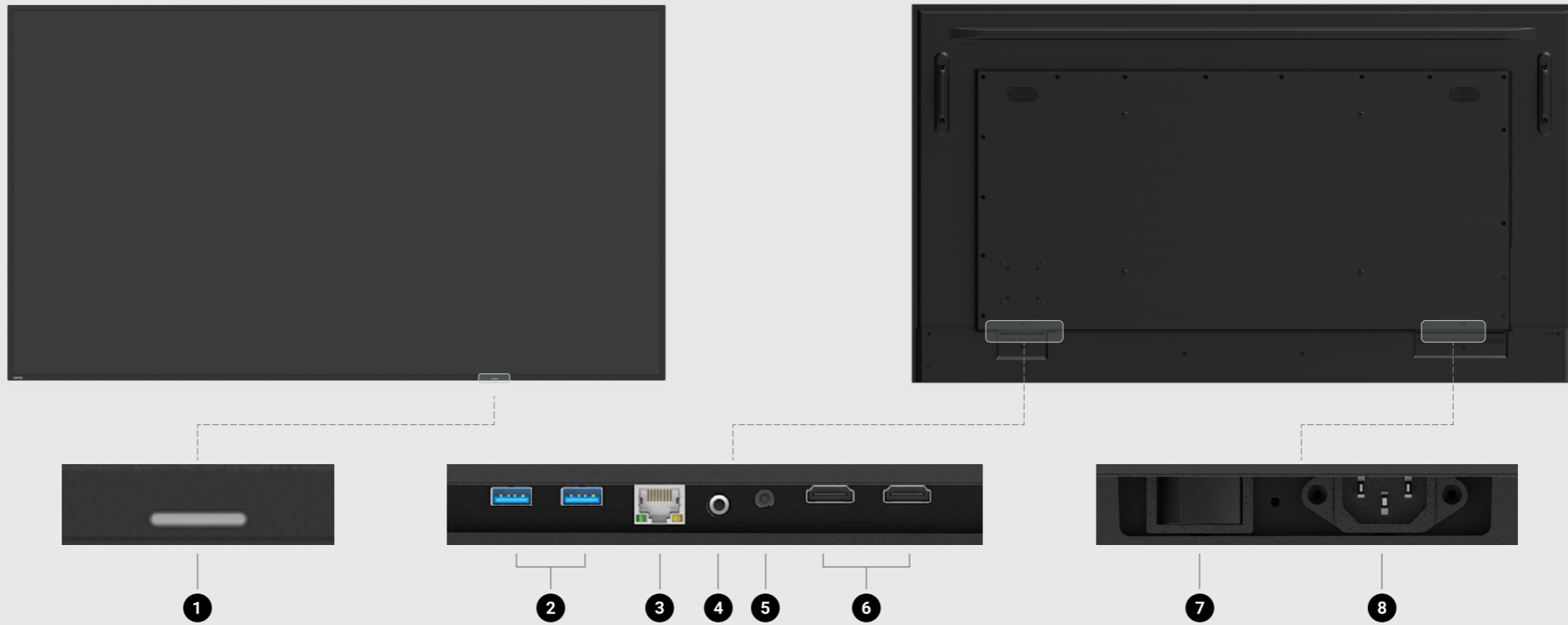
1. IR sensor & Power LED

2. USB 2.0 Type A ports

3. Ethernet port

4. 3.5 mm audio out jack

5. RS-232 in port

6. HDMI in ports

7. Power switch

8. Power input

VESA Specifications
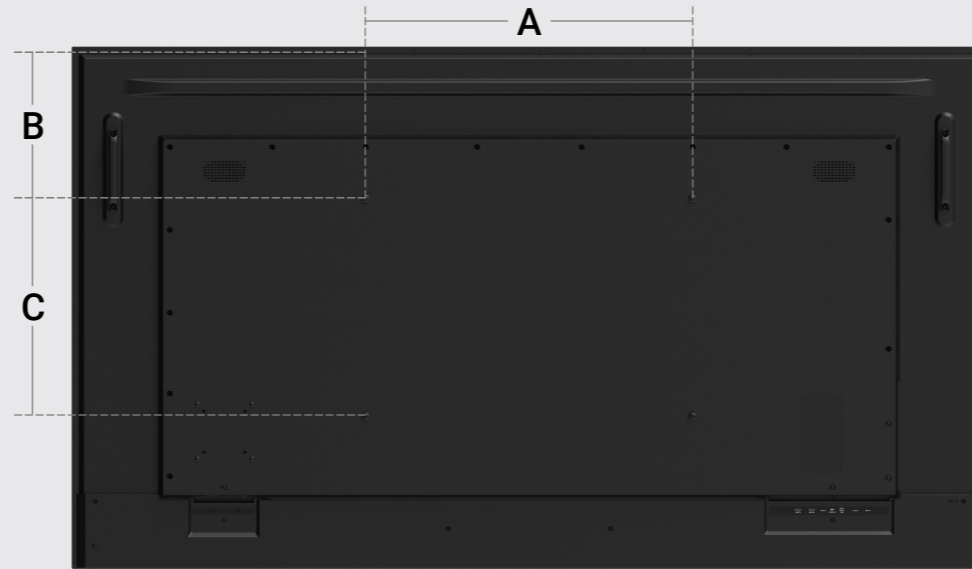
Dimension	43"	55"	65"	75"	86"
A	7.9 in (200 mm)	15.8 in (400 mm)	15.8 in (400mm)	23.6 in (600 mm)	23.6 in (600 mm)
B	7.4 in (188.7 mm)	6.4 in (154 mm)	9.1 in (230.4 mm)	11 in (279mm)	13.9 in (352mm)
C	7.9 in (200 mm)	15.8 in (400 mm)	15.8 in (400 mm)	15.8 in (400 mm)	23.6 in (600 mm)

Model	SL4304	SL5504	SL6504	SL7504	SL8604
Panel					
Screen size	43"	55"	65"	75"	86"
Panel supplier	BOE	BOE	BOE	BOE	BOE
Bright / Dart / Total defective pixels (Refer to panel IIS for details)	0 / 10 / 10	0 / 12 / 12	0 / 12 / 12	3 / 12 / 15	4 / 16 / 20
Light source	Direct LED	Direct LED	Direct LED	Direct LED	Direct LED
Panel grade	PID	PID	PID	PID	PID
Panel type	IPS	IPS	IPS	IPS	IPS
Operation hours	24 hours / 7 days	24 hours / 7 days	24 hours / 7 days	24 hours / 7 days	24 hours / 7 days
Orientation	Landscape and portrait	Landscape and portrait	Landscape and portrait	Landscape and portrait	Landscape and portrait
Panel dimensions	37.1 × 20.8 in (941.2 × 529.4 mm)	47.6 × 26.7 in (1209.6 × 680.4 mm)	56.2 × 31.6 in (1428.5 × 803.5 mm)	64.9 × 36.5 in (1649.7 × 927.9 mm)	74.6 × 42.0 in (1895.0 × 1066.0 mm)
Aspect ratio	16:9	16:9	16:9	16:9	16:9
Contrast ratio (typical)	1200:1	1200:1	1200:1	1200:1	1200:1
Resolution	4K UHD (3840 × 2160 pixels)	4K UHD (3840 × 2160 pixels)	4K UHD (3840 × 2160 pixels)	4K UHD (3840 × 2160 pixels)	4K UHD (3840 × 2160 pixels)
Response time	8 ms	8 ms	8 ms	8 ms	8 ms
Pixel pitch	0.009 × 0.009 in (0.25 × 0.25 mm)	0.012 × 0.012 in (0.32 × 0.32 mm)	0.014 × 0.014 in (0.37 × 0.37 mm)	0.016 × 0.016 in (0.43 × 0.43 mm)	0.019 × 0.019 in (0.49 × 0.49 mm)
Frame rate	60 Hz	60 Hz	60 Hz	60 Hz	60 Hz
Viewing angle	178°	178°	178°	178°	178°
Panel surface	Anti-glare	Haze 25%	Anti-glare	Haze 25%	Anti-glare	Haze 25%	Anti-glare	Haze 25%	Anti-glare	Haze 25%
Color gamut (CIE 1976)	99% sRGB, 72% NTSC	99% sRGB, 72% NTSC	99% sRGB, 72% NTSC	99% sRGB, 72% NTSC	99% sRGB, 72% NTSC
Color depth	10-bit	10-bit	10-bit	10-bit	10-bit
Panel brightness (typical)	500 nits	500 nits	500 nits	500 nits	500 nits
Backlight life (typical)	50,000 hrs	50,000 hrs	50,000 hrs	50,000 hrs	50,000 hrs

Glass					
Anti-glare	Yes	Yes	Yes	Yes	Yes
System					
SoC	AML311D2	AML311D2	AML311D2	AML311D2	AML311D2
CPU	A73 × 4 + A53 × 4	A73 × 4 + A53 × 4	A73 × 4 + A53 × 4	A73 × 4 + A53 × 4	A73 × 4 + A53 × 4
GPU	G52 MP8	G52 MP8	G52 MP8	G52 MP8	G52 MP8
Operating system	Android 13.0	Android 13.0	Android 13.0	Android 13.0	Android 13.0
Memory | Storage	8 GB | 64 GB	8 GB | 64 GB	8 GB | 64 GB	8 GB | 64 GB	8 GB | 64 GB
Connectivity					
HDMI (in | out)	2 × HDMI 2.0 | No	2 × HDMI 2.0 | No	2 × HDMI 2.0 | No	2 × HDMI 2.0 | No	2 × HDMI 2.0 | No
Ethernet	10 / 100 Mbps × 1	10 / 100 Mbps × 1	10 / 100 Mbps × 1	10 / 100 Mbps × 1	10 / 100 Mbps × 1
RS-232	1 | 0	1 | 0	1 | 0	1 | 0	1 | 0
USB-A	2 × 2.0	2 × 2.0	2 × 2.0	2 × 2.0	2 × 2.0
Built-in peripherals					
Speaker	2 × 12 W	2 × 12 W	2 × 12 W	2 × 12 W	2 × 12 W
IR sensor	Yes	Yes	Yes	Yes	Yes
Power					
Power	AC 100 - 240 V 50 / 60 Hz	AC 100 - 240 V 50 / 60 Hz	AC 100 - 240 V 50 / 60 Hz	AC 100 - 240 V 50 / 60 Hz	AC 100 - 240 V 50 / 60 Hz
Switch	1	1	1	1	1
Wake up	HDMI / LAN	HDMI / LAN	HDMI / LAN	HDMI / LAN	HDMI / LAN
Maximum power consumption	180 W	216 W	270 W	315 W	450 W
Standby power consumption	<0.5 W	<0.5 W	<0.5 W	<0.5 W	<0.5 W
Typical power consumption	68.3 W	81.9 W	110.3 W	120.8 W	140.7 W
ENERGY STAR®	Yes	Yes	Yes	Yes	Yes

Physical

Dimensions (W × H × D)	38.1 × 22 × 2.2 in (967.8 × 558.2 × 55.6 mm)	48.7 × 27.9 × 2.2 in (1237.3 × 709.8 × 56.4 mm)	57.3 × 32.8 × 2.2 in (1456.4 × 833.7 × 57 mm)	66.1 × 37.8 × 2.2 in (1679.7 × 959 × 56.8 mm)	75.9 × 43.2 × 2.3 in (1927 × 1098.5 × 59.5 mm)
Bezel width (T I B I L I R)	0.5 | 0.5 | 0.5 | 0.5 in (11.9 | 12.8 | 11.9 | 11.9 mm)	0.5 | 0.5 | 0.5 | 0.5 in (12 | 12.8 | 12 | 12 mm)	0.5 | 0.5 | 0.5 | 0.5 in (12.5 | 12.5 | 11.8 | 11.8 mm)	0.5 | 0.5 | 0.5 | 0.5 in (13 | 13.5 | 13 | 13 mm)	0.5 | 0.5 | 0.5 | 0.5 in (13 | 13.5 | 13 | 13 mm)
Weight (product I shipping)	19.2 lbs | 25.8 lbs (8.7 kg | 11.7 kg)	32.4 lbs | 42.1 lbs (14.7 kg | 19.1 kg)	45.6 lbs | 63.3 lbs (20.7 kg | 28.7 kg)	63.9 lbs | 89.3 lbs (29 kg | 40.5 kg)	108.0 lbs | 141.1 lbs (49 kg | 64 kg)
Mount (screws)	VESA 200 × 200 mm (4 × M6 × 12L)	VESA 400 × 400 mm (4 × M6 × 12L)	VESA 400 × 400 mm (4 × M8 × 16L)	VESA 600 × 400 mm (4 × M8 × 16L)	VESA 600 × 400 mm (4 × M8 × 16L)
VESA mount (for media player)	N/A	1 (75 × 75 mm, 100 × 100 mm)	1 (75 × 75 mm, 100 × 100 mm)	1 (75 × 75 mm, 100 × 100 mm)	1 (75 × 75 mm, 100 × 100 mm)
Housing material	PC-ABS V0	PC-ABS V0	PC-ABS V0	PC-ABS V0	PC+ABS V0 and SGCC
Handles	N/A	N/A	N/A	2	2
Shipping dimensions (W × H × D)	42.3 × 26.9 × 5 in (1075 × 683 × 127 mm)	54.6 × 33.3 × 5.1 in (1386 × 845 × 130 mm)	65 × 6.4 × 40 in (1650 × 162 × 1016 mm)	74.1 × 7.3 × 44.9 in (1883 × 186 × 1140 mm)	83.6 × 8.9 × 49.1 in (2123 × 225 × 1247 mm)

Environment

Storage temperature	14°F - 140°F | -10°C - 60°C	14°F - 140°F | -10°C - 60°C	14°F - 140°F | -10°C - 60°C	14°F - 140°F | -10°C - 60°C	14°F - 140°F | -10°C - 60°C
Operating temperature	32°F - 104°F | 0°C - 40°C	32°F - 104°F | 0°C - 40°C	32°F - 104°F | 0°C - 40°C	32°F - 104°F | 0°C - 40°C	32°F - 104°F | 0°C - 40°C
Storage humidity	10% - 80% RH non-condensing	10% - 80% RH non-condensing	10% - 80% RH non-condensing	10% - 80% RH non-condensing	10% - 80% RH non-condensing
Operating humidity	10% - 80% RH non-condensing	10% - 80% RH non-condensing	10% - 80% RH non-condensing	10% - 80% RH non-condensing	10% - 80% RH non-condensing

Software

Device management	DMS	DMS	DMS	DMS	DMS
Content management	X-Sign	X-Sign	X-Sign	X-Sign	X-Sign
Wireless screen sharing	InstaShare 2	InstaShare 2	InstaShare 2	InstaShare 2	InstaShare 2
Account management	AMS	AMS	AMS	AMS	AMS
UI resolution	4K UHD	4K UHD	4K UHD	4K UHD	4K UHD

Accessories					
RS-232 cable	1 (5.9 ft | 1.8 m)	1 (5.9 ft | 1.8 m)	1 (5.9 ft | 1.8 m)	1 (5.9 ft | 1.8 m)	1 (5.9 ft | 1.8 m)
Quick start guide	In box	In box	In box	In box	In box
Remote control	1	1	1	1	1
User manual	Online	Online	Online	Online	Online
Box	BenQ designed	BenQ designed	BenQ designed	BenQ designed	BenQ designed
Cables	1 × HDMI (4.9 ft | 1.5 m), 1 × RS232 (5.9 ft | 1.8 m)	1 × HDMI (4.9 ft | 1.5 m), 1 × RS232 (5.9 ft | 1.8 m)	1 × HDMI (4.9 ft | 1.5 m), 1 × RS232 (5.9 ft | 1.8 m)	1 × HDMI (4.9 ft | 1.5 m), 1 × RS232 (5.9 ft | 1.8 m)	1 × HDMI (4.9 ft | 1.5 m), 1 × RS232 (5.9 ft | 1.8 m)
On-screen menu languages	28L (AR, CS, DA, DE, EL, EN, ES-ES, FA, FI, FR, HE, HU, ID, IT, JA, KO, NB, NL, PL, PT-BR, RO, RU, SV, TH, TR, VI, ZH-CN, ZH-TW)	28L (AR, CS, DA, DE, EL, EN, ES-ES, FA, FI, FR, HE, HU, ID, IT, JA, KO, NB, NL, PL, PT-BR, RO, RU, SV, TH, TR, VI, ZH-CN, ZH-TW)	28L (AR, CS, DA, DE, EL, EN, ES-ES, FA, FI, FR, HE, HU, ID, IT, JA, KO, NB, NL, PL, PT-BR, RO, RU, SV, TH, TR, VI, ZH-CN, ZH-TW)	28L (AR, CS, DA, DE, EL, EN, ES-ES, FA, FI, FR, HE, HU, ID, IT, JA, KO, NB, NL, PL, PT-BR, RO, RU, SV, TH, TR, VI, ZH-CN, ZH-TW)	28L (AR, CS, DA, DE, EL, EN, ES-ES, FA, FI, FR, HE, HU, ID, IT, JA, KO, NB, NL, PL, PT-BR, RO, RU, SV, TH, TR, VI, ZH-CN, ZH-TW)

OSD					
On-screen menu	BenQ customized	BenQ customized	BenQ customized	BenQ customized	BenQ customized

Feature					
Sharpness enhancement	Yes	Yes	Yes	Yes	Yes
CEC control	Yes	Yes	Yes	Yes	Yes
Real-time clock	Yes	Yes	Yes	Yes	Yes
Firmware updates	USB, OTA	USB, OTA	USB, OTA	USB, OTA	USB, OTA
Freeze and blank screen	Yes	Yes	Yes	Yes	Yes
Temperature sensor	1	1	1	1	1
Screen finish	Matte	Matte	Matte	Matte	Matte

Teach
Your Way