4K Smart Signage

Your signage, redefined

The BenQ ST04 4K Smart Signage series offers robust hardware, intuitive software, and built-in security, ensuring your message always shines.

BenQ Education
Shape the Future of Learning

4K Smart Signage

ST4304/ST5504/ST6504

Reliable performance

X-Sign

Easy control

Robust security

Your essential signage solution

Boost school communication with the ST04 4K Smart Signage series. Its advanced hardware, intuitive tools, Android OS, and security features help you deliver clear, effective information to support your educational goals and streamline operations.

Reliable performance

Experience vivid visuals, 18/7 operation, and both portrait and landscape display modes.

Easy control

X-Sign

Enjoy quick and easy content management and remote device control.
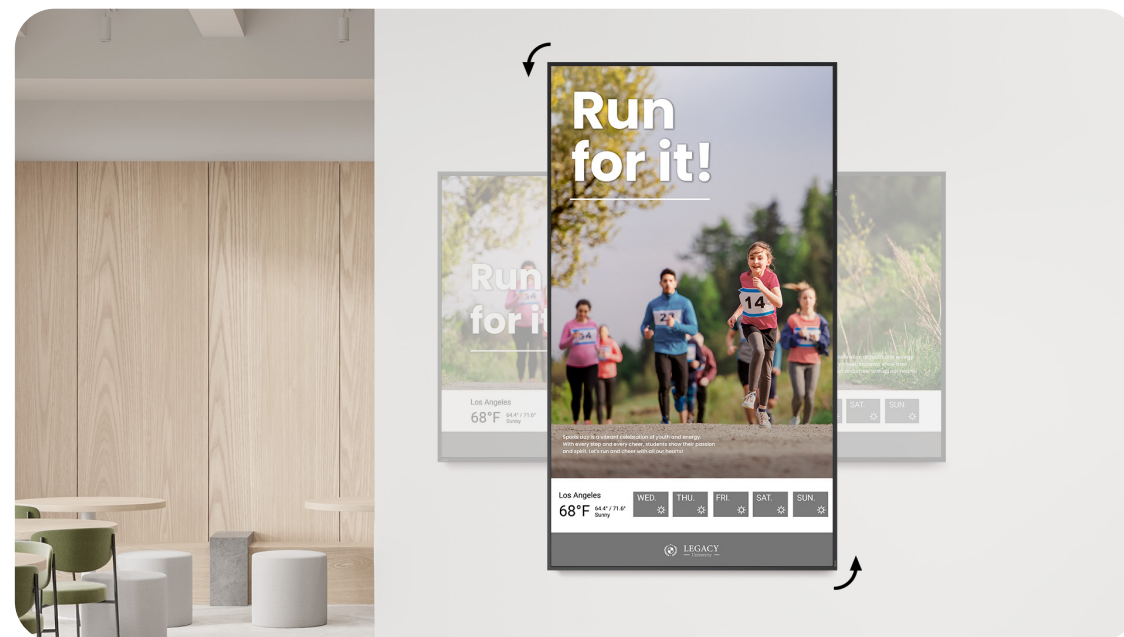
Robust security

Ensure your displays stay safe with the ST04's hardware and software security features.

Digital signage done right

Your message made clear

The ST04 series features a 350-nit, 4K display, 10-bit color depth, and 18/7 operation, ensuring bright, vibrant visuals for cafeterias, hallways, libraries, and more.

Portrait and landscape ready

Effortlessly mount the VESA-compatible ST04 in either portrait or landscape orientation, making it ideal for different types of content and applications.

Digital signage done right

Regular digital signage

BenQ ST04 digital signage
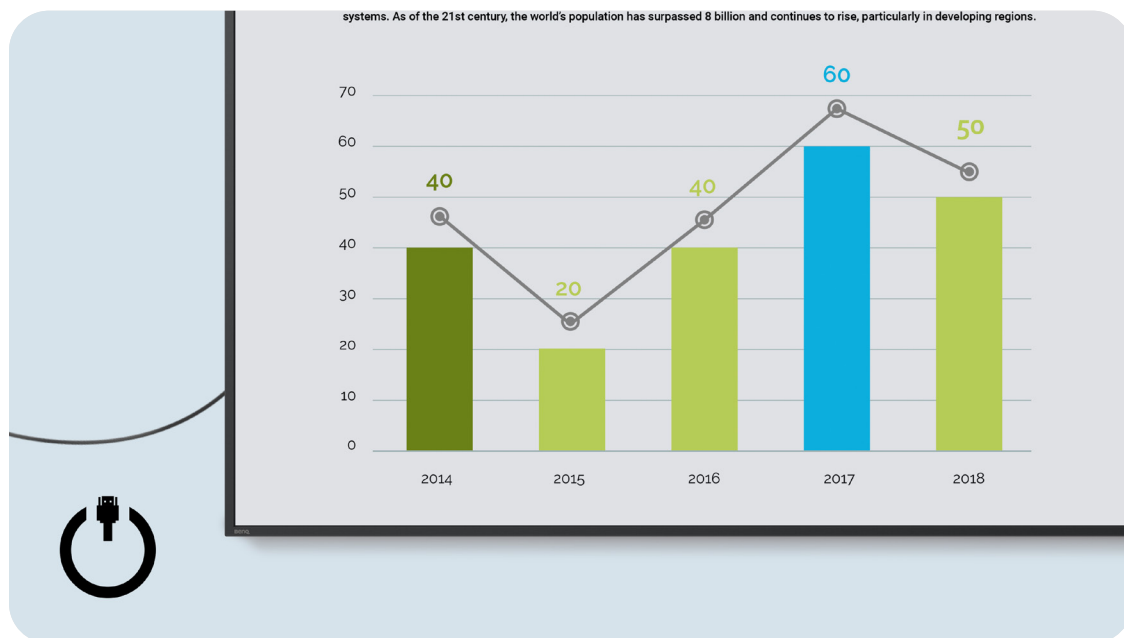

Designed for eye comfort

Enjoy enhanced viewing comfort and clearer visuals with an anti-glare screen featuring a 25% haze value that eliminates reflections to minimize eye strain.
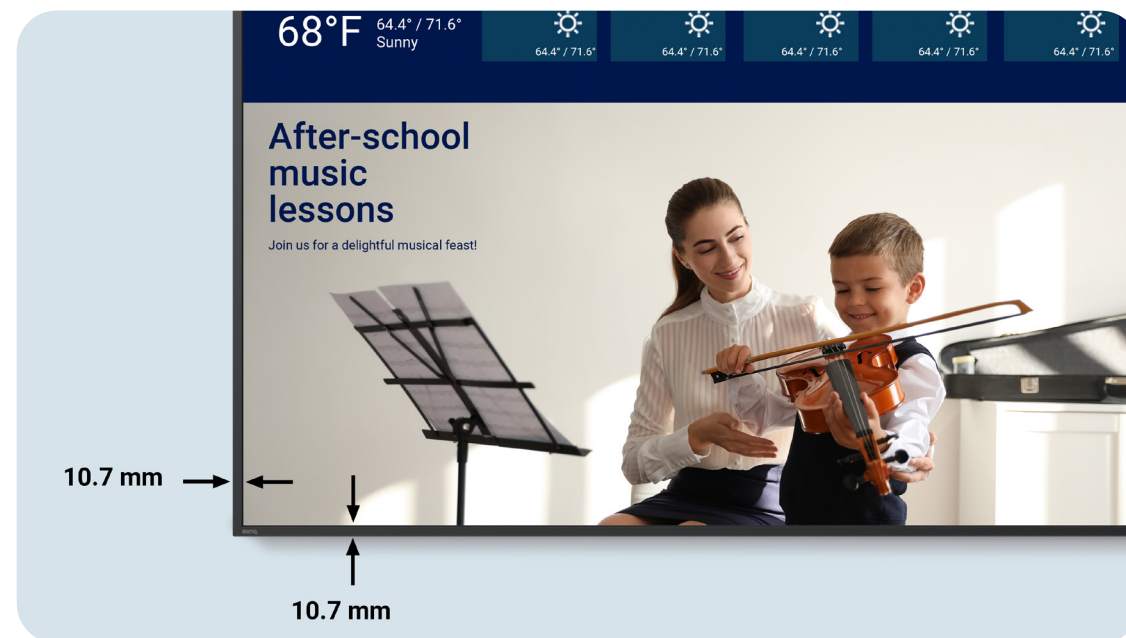
Truly immersive sound

The ST04's powerful, two 12W speakers deliver captivating audio, bringing your content to life.

Digital signage done right

10.7 mm

10.7 mm

Always at the ready

With the easy-to-enable Wake on HDMI and Wake on LAN, the ST04 is always ready when you need it.
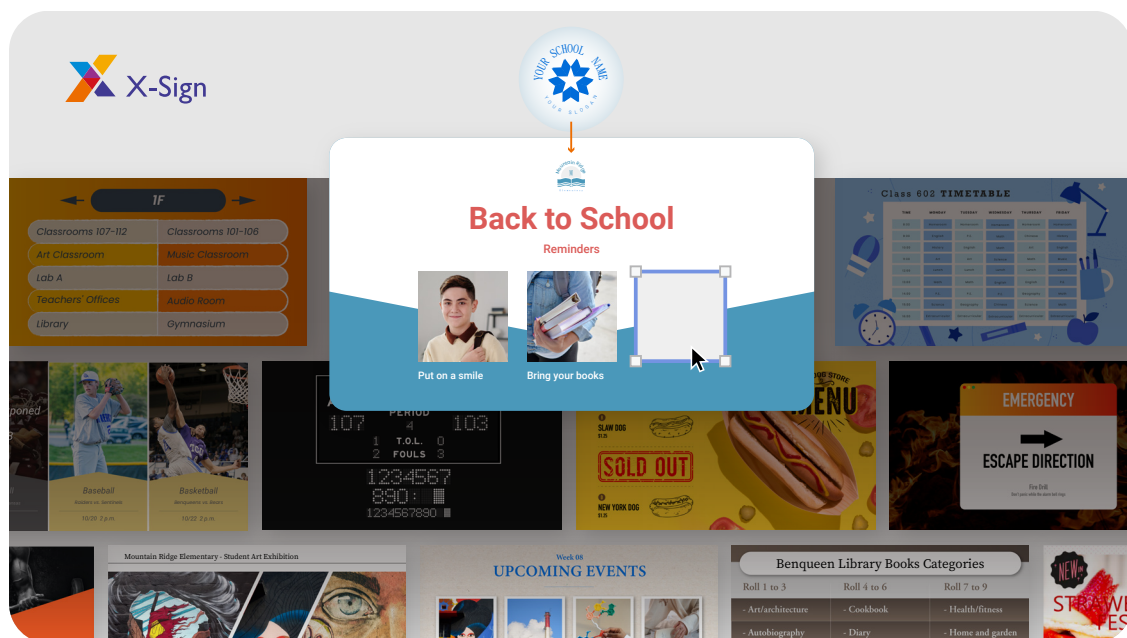
Sleek from every angle

The slim, uniform bezels on the ST04 ensure a seamless installation that blends into any environment.

Deliver your messages anywhere

Create, manage, and deliver engaging signage content across school with the powerful X-Sign content management platform.
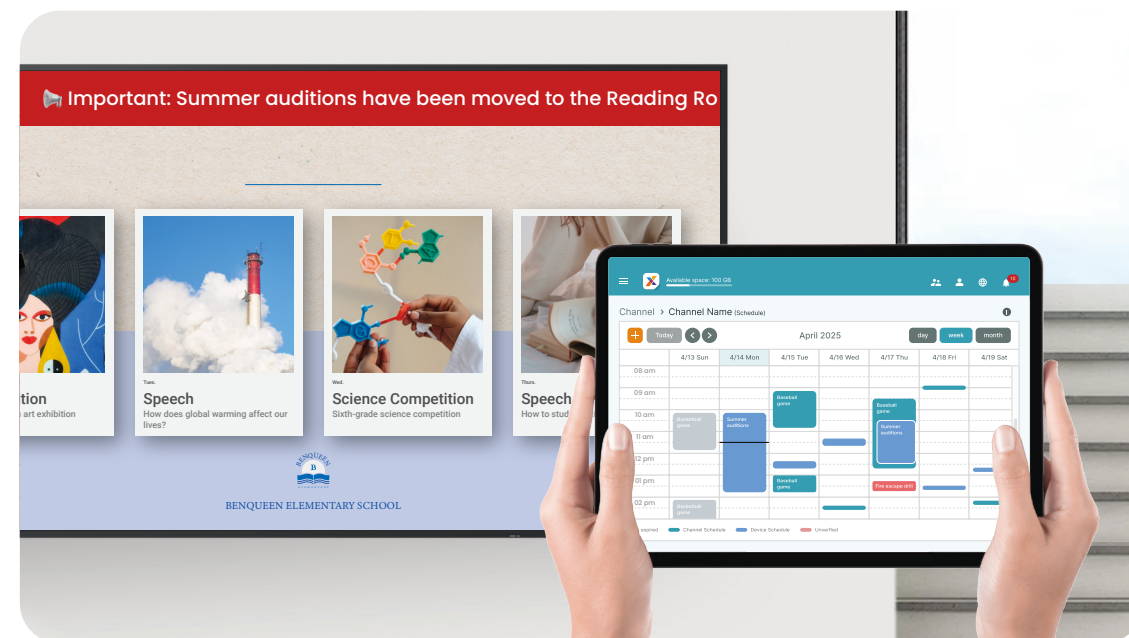
Deliver your messages anywhere


Easy content creation

With X-Sign, you can remotely create content for diverse scenarios. Whether it's for announcements, school maps, menus, team scores, and more, X-Sign offers ready-made, editable templates.

Effortless scheduling

Use X-Sign's advanced features to broadcast real-time or scheduled announcements to all your ST04 displays, individually or in customizable groups, ensuring timely and effective communication.
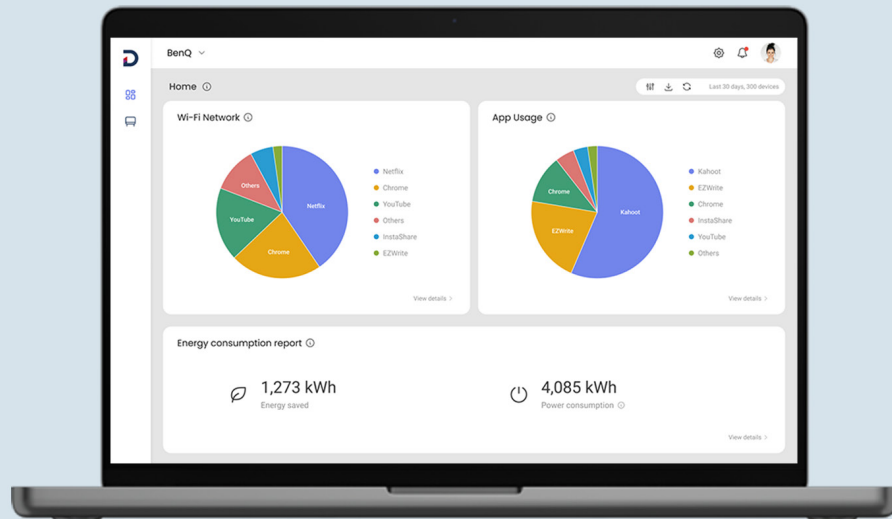
Deliver your messages anywhere

Regular digital signage

BenQ ST04 digital signage
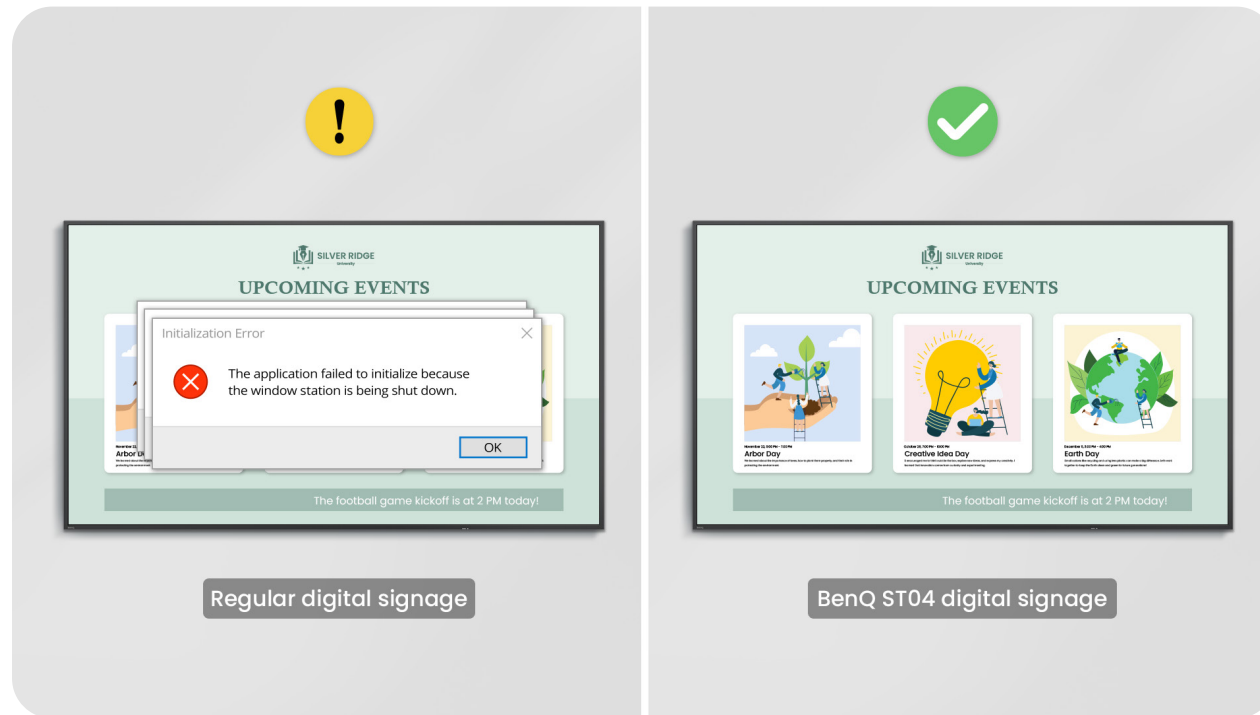
Your content, uninterrupted

With X-Sign, your content is never interrupted by message windows or system alerts, making for a seamless viewing experience.
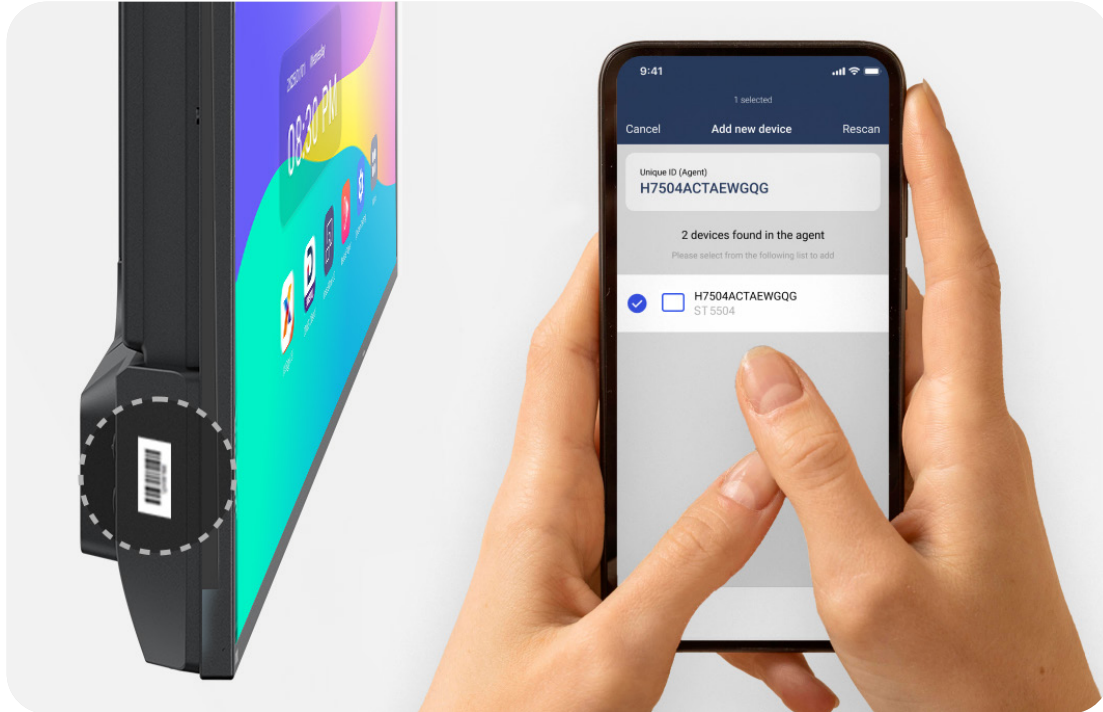
Streamlined management

Manage devices remotely

With the BenQ Device Management Solution (DMS), IT admins can remotely manage device settings and power schedules, update firmware, view device analytics, install and block apps, and more on every ST04.
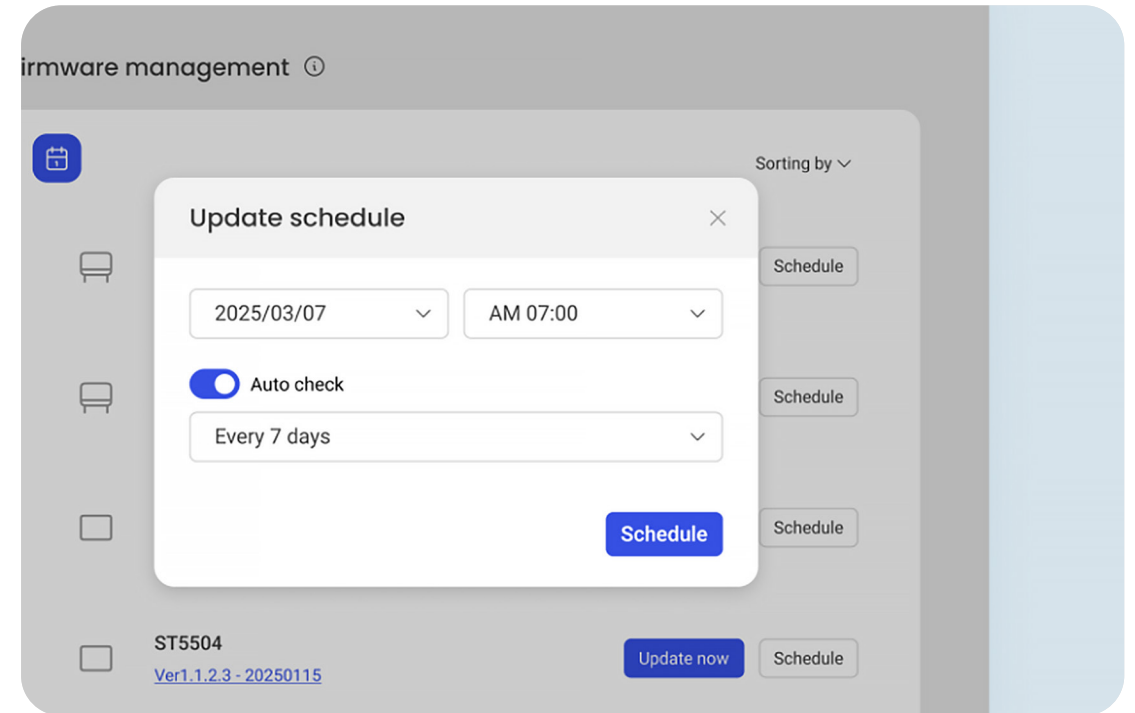
Learn more about BenQ management solutions

Streamlined management
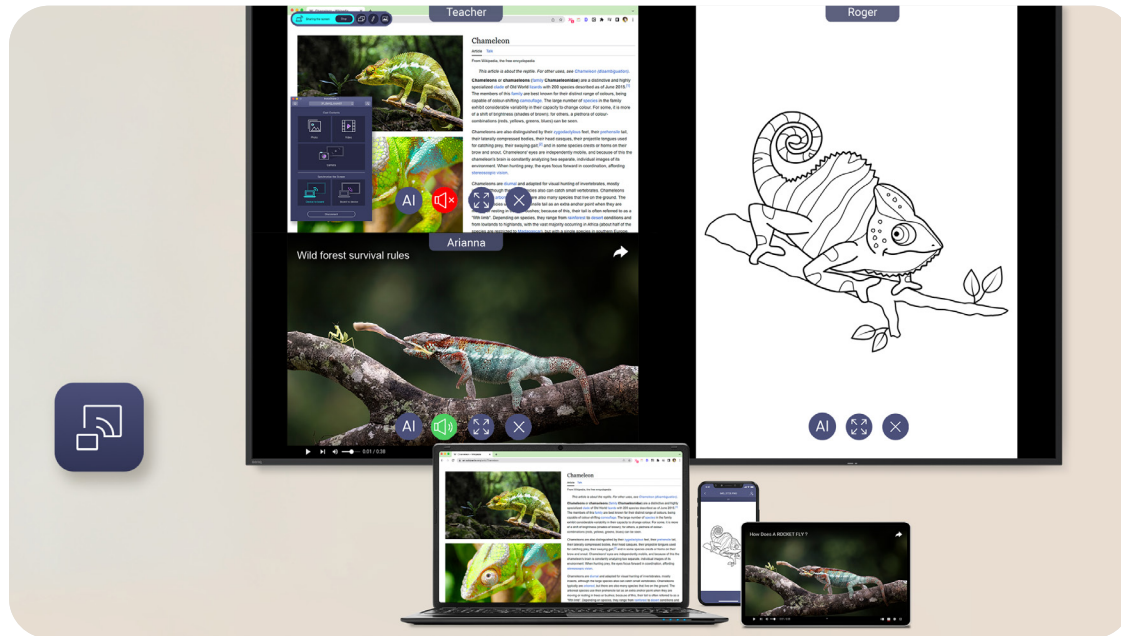

Seamless provisioning

Easily provision multiple new ST04 displays by scanning the barcode on the box or device to automatically bind them to DMS.

Firmware updates, always

Schedule firmware updates from DMS so your ST04 displays always have the latest features and security patches.

Made for easy sharing

Get everyone involved

Effortlessly share content on the ST04 with InstaShare 2, compatible with Google, Apple, and Microsoft devices. Enjoy seamless wireless screen sharing across laptops, tablets, and smartphones, and take control with the powerful Smart Controller function for an elevated interactive experience.

*IT admins and session hosts can decide whether to enable screen sharing to the display.
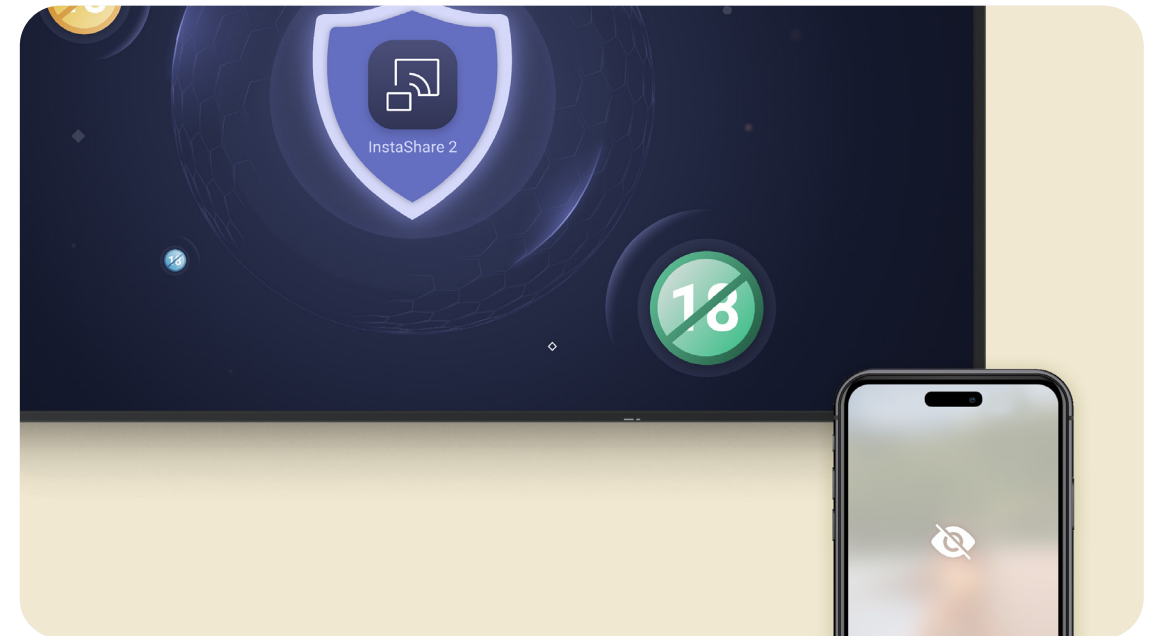
Keep lessons safe with AI

The built-in AI Guardian feature in InstaShare 2 automatically prevents participants from sharing inappropriate images or videos on the ST04.

Secure your displays
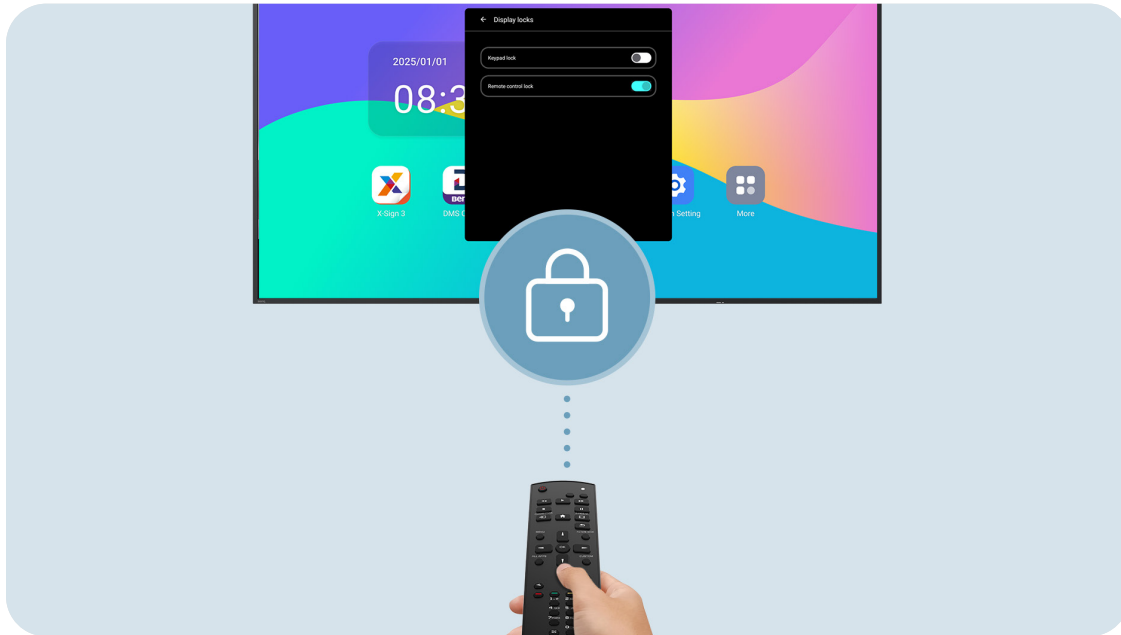
Block unauthorized remote control

Secure your signage with the IR sensor lock on the ST04, blocking unauthorized access from universal remotes.
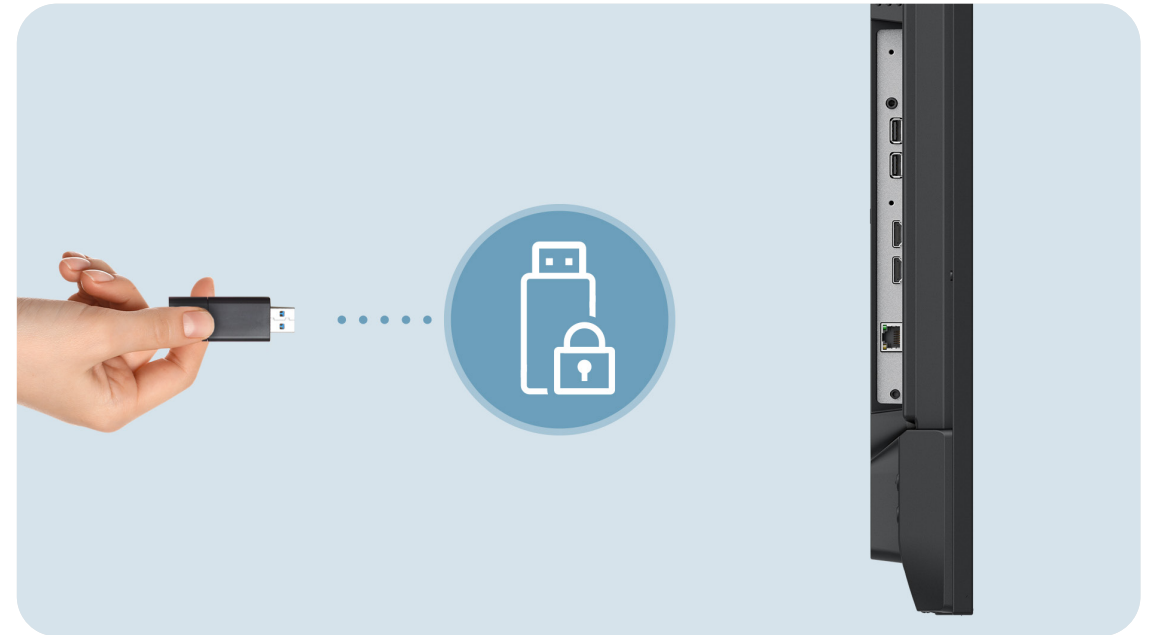
Security at the hardware level

Dedicated Wi-Fi and USB covers provide an extra layer of hardware-level protection in common spaces for all your ST04 signage.

Built-in sustainability

Certified energy saving

The ST04 series is ENERGY STAR® 8.0 certified, helping you reduce emissions and save on energy costs.

Smaller footprint

We've reduced the display packaging size by up to 30% across ST04 models, boosting transport efficiency and lowering emissions.

Remote energy control

Effortlessly manage sleep modes, schedule remote power, and monitor real-time energy usage with DMS.

ST04 Device Specifications

W

H

D
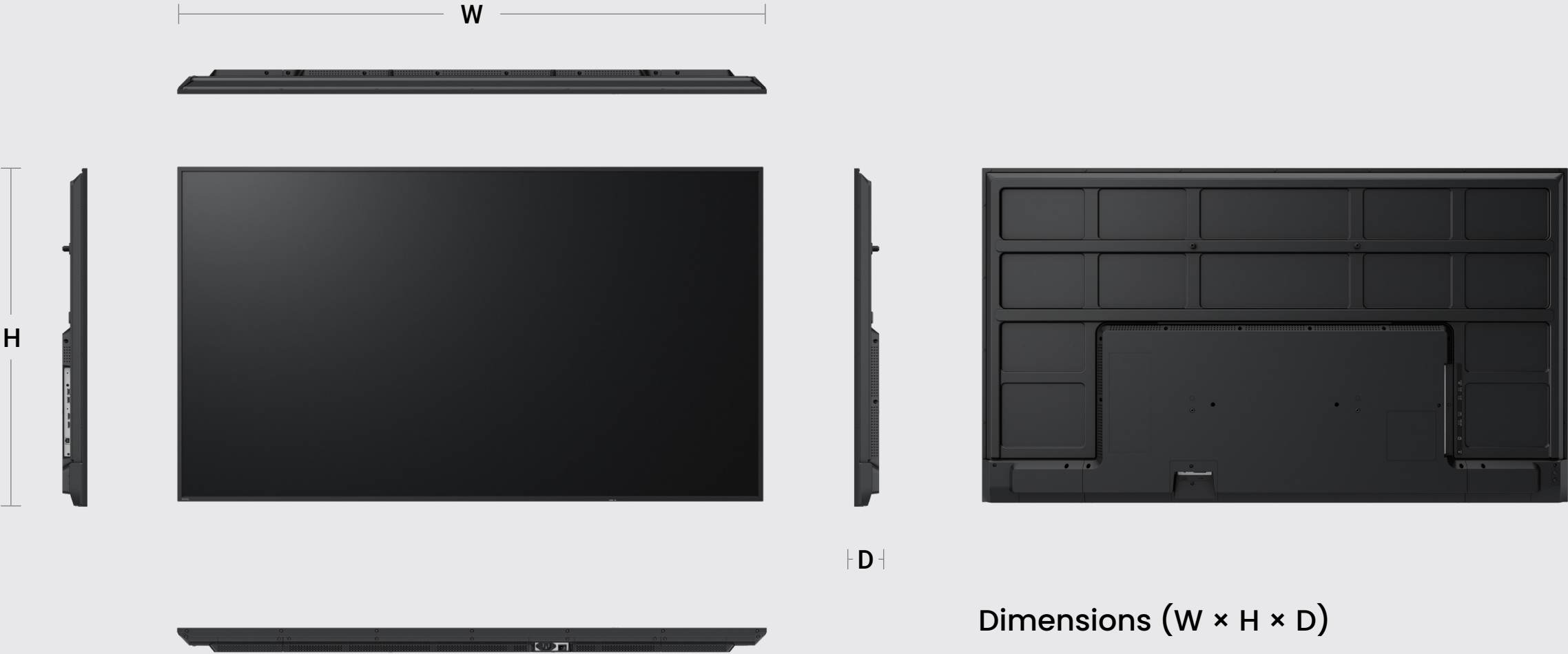
Dimensions (W × H × D)

ST4304 | 38.0 × 21.9 × 2.3 in (965.0 × 554.9 × 59.1 mm)

ST5504 | 48.6 × 27.8 × 2.3 in (1234.2 × 706.7 × 58.9 mm)

ST6504 | 57.2 × 32.7 × 2.4 in (1452.9 × 829.2 × 59.7 mm)

ST04 Device Specifications
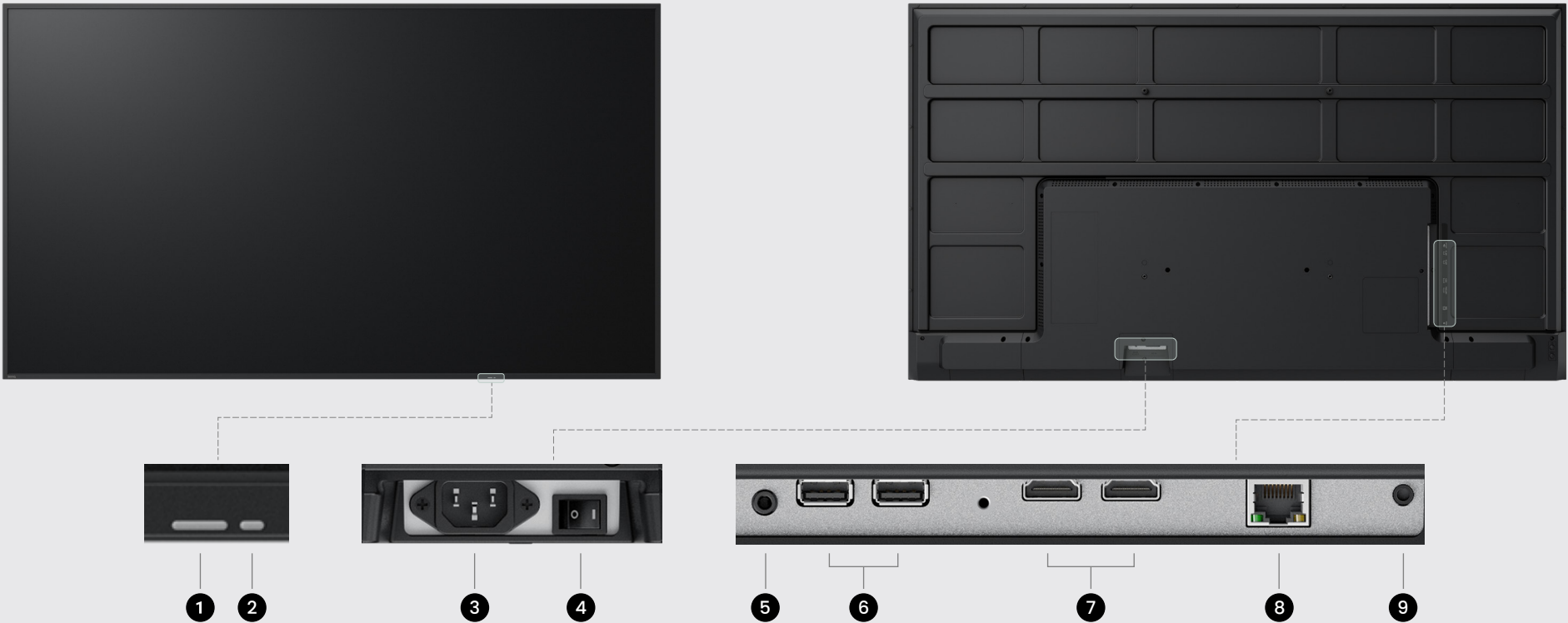
1. IR sensor

2. Power status light

3. Power input

4. Power switch

5. 3.5 mm audio out jack

6. USB 2.0 Type-A ports

7. HDMI in ports

8. Gigabit Ethernet ports

9. RS-232 in port

VESA Specifications

Dimension	43"	55"	65"
A	7.9 in (200 mm)	15.8 in (400 mm)	15.8 in (400 mm)
B	7.9 in (199.3 mm)	9.6 in (244.6 mm)	7.8 in (197.4 mm)
C	7.9 in (200 mm)	7.9 in (200 mm)	15.8 in (400 mm)

Model	ST4304	ST5504	ST6504
Panel			
Screen size	43"	55"	65"
Light source	Direct LED	Direct LED	Direct LED
Panel type	ADS	ADS	ADS
Operation hours	18 hours / 7 days	18 hours / 7 days	18 hours / 7 days
Orientation	Landscape and Portrait	Landscape and Portrait	Landscape and Portrait
Active area	37.1 × 20.8 in (941.2 × 529.4 mm)	47.6 × 26.8 in (1209.6 × 680.4 mm)	56.2 × 31.6 in (1428.5 × 803.5 mm)
Aspect ratio	16:9	16:9	16:9
Contrast ratio (typical)	1200:1	1200:1	1200:1
Resolution	4K UHD 3840 × 2160 pixels	4K UHD 3840 × 2160 pixels	4K UHD 3840 × 2160 pixels
Response time	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)
Frame rate	60 Hz	60 Hz	60 Hz
Viewing angle	178°	178°	178°
Panel surface	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
Color depth	10-bit	10-bit	10-bit
Panel brightness (typical)	350 nits	350 nits	350 nits
Backlight life (typical)	30,000 hrs	30,000 hrs	30,000 hrs
System			
CPU	A73 × 4	A73 × 4	A73 × 4
GPU	G52 MC1	G52 MC1	G52 MC1
Operating system	Android 14.0	Android 14.0	Android 14.0
Memory	Storage	4 GB	32 GB	4 GB	32 GB	4 GB	32 GB

Connectivity			
HDMI (in | out)	2 × HDMI 2.0 | No	2 × HDMI 2.0 | No	2 × HDMI 2.0 | No
Ethernet	10 / 100 Mbps (Android) × 1	10 / 100 Mbps (Android) × 1	10 / 100 Mbps (Android) × 1
RS-232	1 | 0	1 | 0	1 | 0
USB Type-A	2 × 2.0	2 × 2.0	2 × 2.0
Built-in peripherals			
Speaker	2 × 12W	2 × 12W	2 × 12W
IR sensor	Yes	Yes	Yes
Power			
Power	AC 100-240V 50 / 60 Hz	AC 100-240V 50 / 60 Hz	AC 100-240V 50 / 60 Hz
Wake up	HDMI / LAN	HDMI / LAN	HDMI / LAN
Standby power consumption	<0.5W	<0.5W	<0.5W
Typical power consumption	60W	71W	76W
ENERGY STAR®	Yes	Yes	Yes
Physical			
Dimensions (W × H × D)	38.0 × 21.9 × 2.3 in (965.0 × 554.9 × 59.1 mm)	48.6 × 27.8 × 2.3 in (1234.2 × 706.7 × 58.9 mm)	57.2 × 32.7 × 2.4 in (1452.9 × 829.2 × 59.7 mm)
Bezel width (T | B | L | R)	0.4 | 0.4 | 0.4 | 0.4 in (10.7 | 10.7 | 10.7 | 10.7 mm)	0.4 | 0.4 | 0.4 | 0.4 in (10.8 | 10.8 | 10.8 | 10.8 mm)	0.4 | 0.4 | 0.4 | 0.4 in (10.8 | 10.8 | 10.8 | 10.8 mm)
Weight (product | shipping)	17.4 | 24.9 lbs (7.9 | 11.3 kg)	26.5 | 38.4 lbs (12.0 | 17.4 kg)	37.3 | 55.8 lbs (16.9 | 25.3 kg)
Mount (screws)	VESA 200 × 200 mm (4 × M6 × 15L)	VESA 400 × 200 mm (4 × M6 × 15L)	VESA 400 × 400 mm (4 × M6 × 15L)
Shipping dimensions (W × H × D)	42.3 × 26.9 × 5.4 in (1075 × 683 × 137 mm)	54.6 × 33.3 × 5.5 in (1386 × 845 × 140 mm)	64.4 × 38.9 × 6.3 in (1635 × 987 × 159 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
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
Storage humidity	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

Software			
Device management	DMS	DMS	DMS
Broadcast system	X-Sign	X-Sign	X-Sign
Content management	X-Sign	X-Sign	X-Sign
Wireless screen sharing	InstaShare 2	InstaShare 2	InstaShare 2
Accessories			
Quick start guide	In box	In box	In box
Remote control	1	1	1
User manual	Online	Online	Online
Cables	1 × HDMI (4.9 ft | 1.5 m), 1 × RS-232 (5.9 ft | 1.8 m)	1 × HDMI (4.9 ft | 1.5 m), 1 × RS-232 (5.9 ft | 1.8 m)	1 × HDMI (4.9 ft | 1.5 m), 1 × RS-232 (5.9 ft | 1.8 m)
OSD			
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)
Feature			
Sharpness enhancement	Yes	Yes	Yes
CEC control	Yes	Yes	Yes
Real-time clock	Yes	Yes	Yes
Firmware updates	USB, OTA	USB, OTA	USB, OTA
Freeze and blank screen	Yes	Yes	Yes
Temperature sensor	1	1	1
Screen finish	Matte	Matte	Matte

Teach Your Way