LED CONTROL · PROCESSING · PLAYBACK

Skyco LED Control & Playback

Controllers, processors, players and sensors that drive every Skyco LED screen, from a shopfront to a stadium.

All-in-one · Processors · Players · Sensors · Matrix



13 M px
Per controller, up to

20
Gigabit outputs, up to

4K × 2K
60 Hz inputs

Cloud
Remote publishing

One control platform. Sized to the screen.

Every Skyco LED screen runs on the same professional control platform, sized to the job. All-in-one controllers combine video processing and sending in one box; splicing processors manage large multi-input walls; media players publish content from the cloud to signage screens; and sensors keep brightness and temperature in check automatically.

All-in-one controllers
Processing and sending in one unit, from 2.6 to 13 million pixels.

Splicing processors
Modular 4K inputs and outputs for large multi-source walls.

Cloud media players
Schedule and publish content remotely over LAN or Wi-Fi.

Auto brightness
Light sensors dim the screen at night and lift it in sun.

Health monitoring
Temperature, humidity and status reported remotely.

4K matrix switching
4 × 4, 8 × 8 and 16 × 16 HDMI matrices with HDCP.

APPLICATIONS

Boardrooms · Control rooms · Digital signage · Billboards · Stages and events · Venues

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Controllers and processors. Sized by pixel load.

Device	Outputs	Load capacity	Key features
All-in-one controller, 4 port	4 × Gigabit Ethernet	2.6 M pixels	4K × 2K@60 input, up to 10,240 px wide, 6 layers
All-in-one controller, 6 port	6 × Gigabit Ethernet	3.9 M pixels	4K × 2K@60 input, up to 10,240 px wide, 6 layers
All-in-one controller, 10 port	10 × Gigabit Ethernet	6.5 M pixels	4K × 2K@60 input, up to 10,240 px wide, 6 layers
All-in-one controller, 20 port	20 × Gigabit Ethernet	13 M pixels	4K × 2K@60 input, up to 16,384 px wide, 12 layers
4K playback processor	LED outputs	13 M pixels	Up to 16,384 × 8,192 scaled; 8.8 M px pixel-to-pixel
Independent sending controller	6 × Gigabit, 2 × fibre	650,000 px per port	8, 10 and 12-bit inputs, up to 3,840 px wide
Video wall splicing processor	Modular cards	13 M px per card	5 frame sizes; HDMI 2.1, DP 1.4 and fibre inputs

Media players. For signage and DOOH, managed from the cloud.

Media player	Load capacity	Max. screen size	Video
Media player 650K	650,000 px	2,048 × 2,048 px	1 × 4K or 3 × 1080p
Media player 650K dual	650,000 px	4,096 × 4,096 px	1 × 4K or 2 × 1080p
Media player 1.3M	1.3 M px	4,096 × 4,096 px	H.264 / H.265 4K@60
Media player 2.3M	2.3 M px	4,096 × 4,096 px	4K decoding, 4 × Gigabit

SYSTEM ACCESSORIES

Receiving cards	Fitted in every cabinet, matched to the module
Light sensor	Automatic brightness by ambient light
Temperature and humidity sensor	Environmental monitoring and alerts
HDMI matrix switchers	4 × 4, 8 × 8 and 16 × 16, 4K with HDCP
Cloud platform	Remote publishing, scheduling and monitoring

CHOOSING A CONTROLLER

Multiply the screen's width and height in pixels to get its load, then choose a controller with headroom. A 4K wall (3840 × 2160) is 8.3 million pixels, so it sits on a 10- or 20-port controller. Small signage screens run on a media player alone. Our team sizes the system with every quote.

Specifications are typical values and may change without notice. Final specifications, structure and power design are confirmed in your Skyco project proposal.

Talk to our LED team.

We survey the site, design the screen and structure, install, commission and support it.

1. **Site survey**
2. **Design and quote**
3. **Installation**
4. **Control and handover**
5. **Support**