



SPINETIX™  
N°1 IN DIGITAL SIGNAGE SOLUTIONS



# iBX440

## Video Walls Made Easy



iBX440 Front view



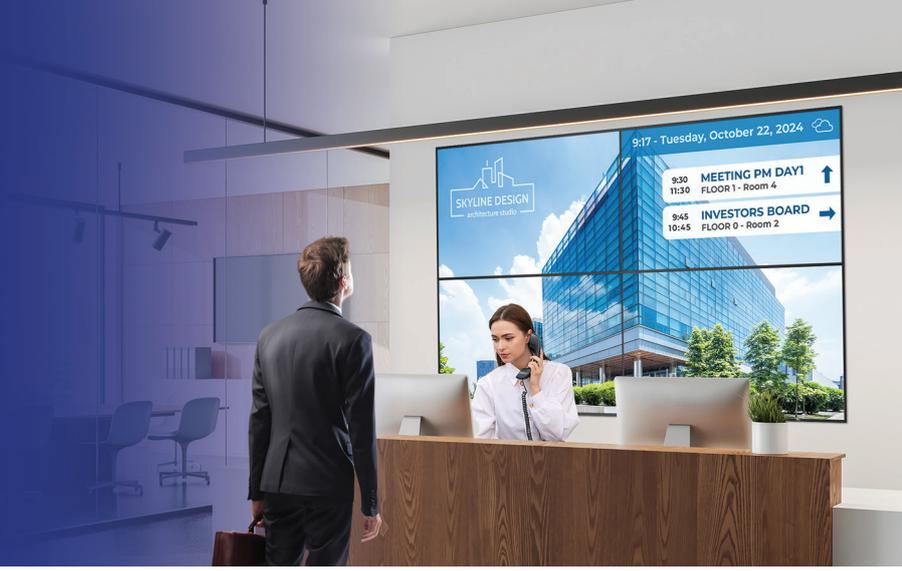
iBX440 Back view



iBX440 top view

# iBX440

## Video Walls Made Easy



### Video Wow for Everyone

#### 8K at 60 fps

Four HDMI outputs, a cutting-edge Intel® Core™ processor, the award winning purpose-built DSOS™ operating system, and user-friendly SpinetiX ARYA™ CMS all work together to enable impressive 8K video walls at 60 fps while making setup easy for everyone.



### All Your Displays.

#### One seamless experience.

SpinetiX ARYA CMS comes standard with every iBX440 and now features a custom intuitive wizard to guide you through the setup of your video wall. The CMS works as a centralized cloud solution for managing both single displays and video walls all in one place. It is that easy.

### Your Multi-Screen Powerhouse

iBX440 can effortlessly manage complex multi-screen setups – from high-definition LED walls with SpinetiX ARYA to advanced custom-layout video walls, enabled by our advanced content authoring software, Elementi.

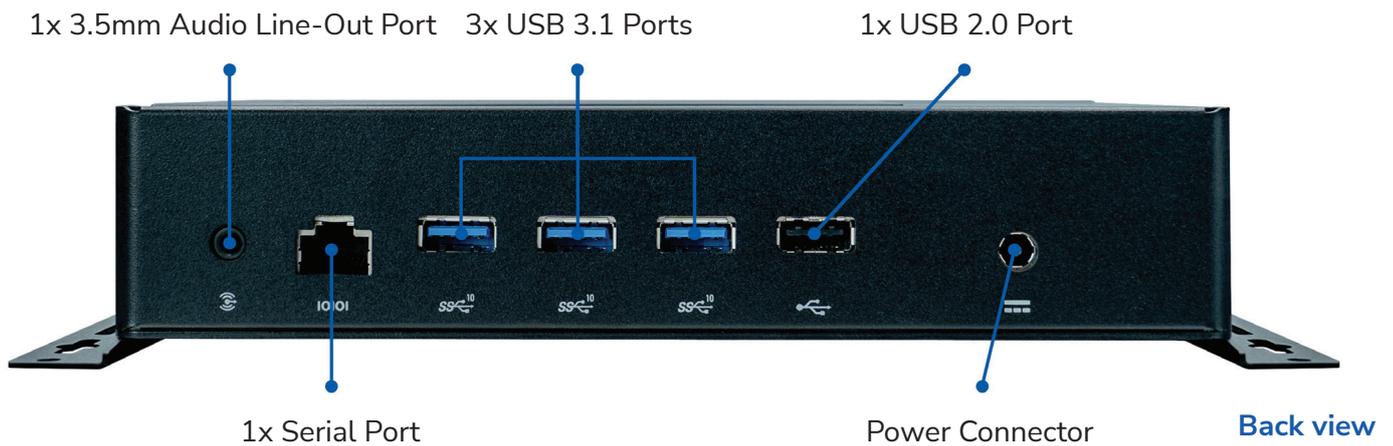
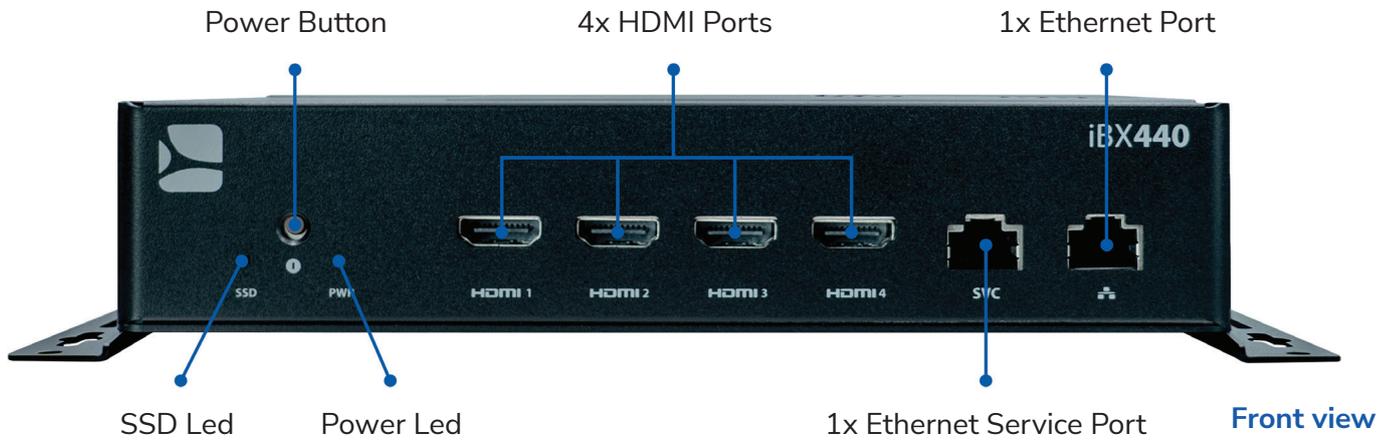


iBX440 is the winner of the rAve awards at ISE 2024.



**"Best Digital Signage Media Player"**  
**"Best New Video Wall Processor"**





## Key Features

- **4x HDMI Fully Synchronized Outputs:** Enables high-resolution 8K video walls at 60 fps
- **Sub-Millisecond-Accurate Synchronization:** Seamless display across multiple players enabled by latest-gen Intel® Core™ processor
- **Compact Design:** For easy installation and management
- **External Airflow Cooling:** Ensures dust protection, extends player lifespan, and eliminates maintenance needs
- **Spinetix Signature:** Combines robust hardware design with award-winning dedicated OS and advanced CMS for effortless video wall setup
- **Designed for 24/7 use**
- **TAA Compliant:** Meets stringent regulatory standards, ensuring compliance and premium quality
- **3-year warranty included,** extendable to 5

## CONNECTORS & PORTS

Video	4x HDMI 2.0
USB port	3x USB 3.1 10 Gbps, 1x USB 2.0
Serial port	RS-232 via special RJ45 accessory cable (not included)
Network	2x Ethernet 1GbE, IEEE 802.3ab, IEEE 802.3u, IEEE 802.3az. (port 2 reserved for local diagnostics)
Power supply	12V DC, 84W, lockable

## SIZE & WEIGHT

Size	Width: 7.90" / 200.8mm, height: 1.62" / 41.2mm, depth: 5.48" / 139.3mm
Weight	1.8kg / 3.7lbs

## DSOS™ (DIGITAL SIGNAGE OPERATING SYSTEM)

DSOS™	Lightweight, high performance and secured operating system designed for digital signage enabling by default SpinetiX ARYA™ CMS
OS security	Cryptographically signed firmware packages, Secure Boot
Optional features	Different optional modes of use to be activated on top of the built-in SpinetiX ARYA™ CMS

## PLAYER ENGINE

Layer composition	Multi-layer, multi-video decoding capability, video with alpha channel, 8K60p 4:4:4, 4x4K60p 4:4:4, 4x4K60p HDR 4:2:0
Fonts	Built-in fonts (including Noto fonts) for any language. In addition, any custom font can be uploaded. Support for TrueType/OpenType fonts
Content languages	HTML5, SVG Tiny 1.2+
Scripting language	JavaScript (ECMAScript 5), jSignage™, WebStorage, XMLHttpRequest
External data access	AJAX, REST, HTTP/HTTPS with custom certificates or SRP, raw TCP/UDP
Multi-player synchronization	Sub-millisecond-accurate synchronization across multiple players

## FORMATS

Media file formats	JPEG, PNG, GIF, SVG, PDF/A, MPG, MP4, M4V, M4A, MOV, MKV, MKA, WMV, WMA, AVI, VOB, TS, MP3, AAC, WAV
Video codecs	Multi-video decoding capable, 8K60p, H.264/MPEG-4 AVC: HP@L5.2, H.265/MPEG-H HEVC: Main 10@L6.1, MPEG-2: MP@HL, MPEG-4: ASP, WM9/VC-1: AP@L3, MJPEG, AV1 Main@L6.1
Audio codecs	AAC-LC, HE-AAC, MPEG Layer I, II, III (MP3), WMAv2, AC3, Opus
Data feeds	Built-in RSS app, Elementi feeds RSS, ICS, CSV, TXT, custom feeds (XML, JSON, JavaScript)

## DISPLAYS

Video	Up to 4 fully synchronized outputs, 4K UHD (3840x2160), 1080p (1920x1080), custom resolutions, HDR capable.
Audio	Up to 8 channel digital audio over HDMI, stereo analog output (line level)
Control	Serial port (advanced protocols, accessory required)
Output limitations	All displays must have the same orientation and use the same video mode

## NETWORK

Protocols	DHCP, static IP, Zeroconf, IPv4, IPv6, NTP, Bonjour, SSDP, SNMPv1/v2c, HTTP/HTTPS, TLS-SRP, user root certificates, WebDAV, FTP, RTSP, RTP/UDP, 802.1x
Remote configuration	Built-in HTTP server, HTTPS with user root certificates, RPC

## STORAGE

Internal	Industrial 128 GB SSD
External	Hard disk (via USB 3.1)

## CHARACTERISTICS

Processor	Intel® Core™ i5-1145G7E
Memory	RAM: 2x 8GB DDR4-3200
Operating temperature	Ambient range 32 - 113°F / 0 - 45°C, Relative humidity 10-90% non-condensing
Real-time clock (RTC)	Accuracy ±1 min./month, battery backed
Usage	Commercial-grade robust, external fan design for 24/7 operation. Made in Taiwan.
IP code	IP30
Misc.	Mounting brackets included

## WARRANTY

Warranty	3 years included limited hardware warranty, extendable to 5 years
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