



iBX440

Video Walls Made Easy



IBX440 Front view



IBX440 Back view



IBX440 top view

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
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

FORMATS

Images	JPEG, PNG, GIF, SVG, PDF/A
Media file formats	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, etc.
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
IP code	IP30
Misc.	Mounting brackets included

WARRANTY

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