



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)

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|-------------------|--|
| 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

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|----------------------|---|
| 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

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|--------------------|--|
| 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

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|--------------------|---|
| 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

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|----------------------|--|
| 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

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

CHARACTERISTICS

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|-----------------------|--|
| 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

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