



SPINETIX

# HMP300 & HMP350

Added Value Digital Signage.

## Full Customization.

New HMPs are faster, fully programmable and easy to integrate. Elementi 2015 is even simpler and more powerful. And they work seamlessly together.



# Tech Specs



## Connectors & Ports

**Video** HDMI  
**Audio** Line level, stereo  
**Serial port** RS232, 115200 Bd max., mini-jack 3.5mm (power on/off)  
**USB port** 2x USB 2.0  
**Network** Ethernet 1GbE, IEEE 802.3ab, IEEE 802.3u, IEEE 802.3az  
**Power Supply** Input: 100-240V, 50-60Hz, Output: 5V DC 3.6A max.

**HDMI**  
 Line level, stereo  
 RS232, 115200 Bd max., mini-jack 3.5mm (interactivity)  
 2x USB 2.0  
 2x Ethernet 1GbE, IEEE 802.3ab, IEEE 802.3u, IEEE 802.3az  
 Input: 100-240V, 50-60Hz, Output: 5V DC 3.6A max.

## Size & Weight

**Size** Width: 5.9 / 150mm", Height: 0.9 / 23mm", Depth: 3.4 / 86.5mm"  
**Weight** 12.3oz / 350g

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## Player Engine

**Layer composition** Multi-layer, Elementi layout, apps  
**Animation** Built-in playouts, apps, Elementi playlists, transitions, effects  
**Text** Unicode support (international text), Bidirectional (right-to-left, left-to-right)  
**Fonts** TrueType, OpenType user fonts, built-in fonts (Western, Cyrillic, Arabic, Greek, Hebrew, Chinese, Japanese, Korean, Thai, Hindi, etc.)  
**Interactivity** USB input devices (touch screen, keyboard, mouse, presenter, barcode scanner, etc.)

Multi-layer, Elementi layout, apps  
 Built-in playouts, apps, Elementi playlists, transitions, effects  
 Unicode support (international text), Bidirectional (right-to-left, left-to-right)  
 TrueType, OpenType user fonts, built-in fonts (Western, Cyrillic, Arabic, Greek, Hebrew, Chinese, Japanese, Korean, Thai, Hindi, etc.)  
 USB HID I/O, network triggers, serial port (JavaScript serial API), USB input devices (touch screen, keyboard, mouse, presenter, barcode scanner, etc.)

**Video Wall**  
**Description languages** SVG Tiny 1.2+, Canvas, SMIL Animations, iCalendar (RFC2445)  
**Scripting language** JavaScript (ECMAScript 5), jSignage™ (jQuery, Layers, Graph, QRCode, etc.), WebStorage, XMLHttpRequest, Node.js  
**External data access** AJAX, REST, HTTP, raw TCP/UDP

Accuracy ± 1 frame, unlimited screens  
 SVG Tiny 1.2+, Canvas, SMIL Animations, iCalendar (RFC2445)  
 JavaScript (ECMAScript 5), jSignage™ (jQuery, Layers, Graph, QRCode, etc.), WebStorage, XMLHttpRequest, Node.js  
 AJAX, REST, HTTP, raw TCP/UDP

## Formats

**Images** JPEG, PNG, GIF, SVG  
**Media file formats** MPG, MP4, M4V, M4A, MOV, MKV, MKA, WMV, WMA, AVI, VOB, TS, MP3, AAC, WAV  
**Video codecs** Multi-video decoding capable, 1080p max, H.264/MPEG-4 AVC: HP@L4, H.264/MPEG-4 AVC: HP@L4, MPEG-2: MP@HL, MPEG-4: ASP, WM9/VC-1: AP@L3  
**Audio codecs** AAC-LC, HE-AAC, MPEG Layer I, II, III (MP3), WMAv2, AC3  
**Streaming protocols**  
**Data feeds** Built-in RSS app, Elementi feeds RSS, ICS, CSV, TXT, custom feeds (XML, JSON, JavaScript)

JPEG, PNG, GIF, SVG  
 MPG, MP4, M4V, M4A, MOV, MKV, MKA, WMV, WMA, AVI, VOB, TS, MP3, AAC, WAV  
 MJPEG, Multi-video decoding capable, 1080p max, H.264/MPEG-4 AVC: HP@L4, H.264/MPEG-4 AVC: HP@L4, MPEG-2: MP@HL, MPEG-4: ASP, WM9/VC-1: AP@L3  
 AAC-LC, HE-AAC, MPEG Layer I, II, III (MP3), WMAv2, AC3  
 RTSP, RTP, UDP (multicast capable)  
 Built-in RSS app, Elementi feeds RSS, ICS, CSV, TXT, custom feeds (XML, JSON, JavaScript)

## Display

**Aspect ratio** 16:9, 16:10, 4:3 (horizontal, vertical)  
**Resolution** 1080p (1920x1080), 720p (1280x720), XGA (1024x768), VGA (640x480) at 50/60 Hz, etc.  
**Power on/off** Serial port (simple protocol), DVI, HDMI-CEC

Custom, 16:9, 16:10, 4:3 (horizontal, vertical)  
 Custom, 1080p (1920x1080), 720p (1280x720), XGA (1024x768), VGA (640x480) at 50/60 Hz, etc.  
 Serial port (advanced protocols), DVI, HDMI-CEC

## Network

**Protocols** DHCP, static IP, Zeroconf, IPv4, IPv6, NTP, Bonjour, SNMPv1/v2c, HTTP, WebDAV  
**Remote configuration** Built-in HTTP server, RPC  
**Content transfer** Web browser upload, live web server, scheduled download, direct upload, USB stick

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## Storage

**Internal** 8GB solid state  
**External** Flash drive, hard disk (via USB 2.0)

16GB solid state  
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## Characteristics

**Processor** DaVinci DM8148 (ARM Cortex-A8 Core 1GHz)  
**Memory** RAM: 1 GB, DDR3-1066, Bandwidth: 4.3GB/s  
**Power consumption** 8W  
**Operating conditions** Ambient temperature 32 - 104°F / 0 - 40°C  
 Relative humidity 10-90% noncondensing  
 Altitude 10,000ft / 3,000m max.  
**Storage temperature** -4- 122°F / -20 - 50°C  
**Real-time clock (RTC)** Accuracy ±1 min./month, backup by supercap (40 days)

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## Tools

Built-in web-based content creation and scheduling tools

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## Warranty

3 Year Limited Hardware Warranty

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