Z-IP Decode 400
Product Specifications

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Product Description

Designed for maximum video performance, the Z-IP Decode 400 offers a full range of features for a wide variety of end-point uses and scenarios. Whether it's live streaming IPTV, displaying digital signage content and video walls, or distributing in-house generated video-on-demand, the Decode 400 incorporates the highest reliability and lowest latency in a 100% hardware based digital video player. Coupled with the Z-IP Portal platform, day-to-day management of content, user rights, and schedules can be managed and operated from one central web interface, ensuring the system is easy to maintain and operate.

Product Highlights

- ◢ Rugged, fan-less, 100% silent compact appliance
- ◢ Decode two HD IP streams / video files simultaneously for engaging signs or PiP view
- ◢ Discrete hardware processors of IP video decoding and signage graphic playout
- ◢ Microsoft Active Directory support for single-sign-on workflow
- ◢ TV control using RS-232 interface
- ◢ PoE / PoE+ support
- ◢ API for integration / control from mobile devices

Model	ZBT0040033
Physical	**Dimensions:** 102mm W x 96mm D x 43mm H **Weight:** 400g **Internal Storage:** 16GB **IR Remote Control:** Programmable, up to 16 unique pairings **Enclosure:** Rugged metal chassis, fan-less, 100% silent **Mounting:** Built-in brackets, VESA
Electrical	**Power Supply (AC to DC):** 12W Max, 90-264VAC **Power of Ethernet Support:** PoE (IEEE 802.3af - 2003)
Video	**Formats:** MPEG-2, MPEG-4 AVC (H.264), VC-1/WMV **Maximum Resolution:** 1920x1080, 60fps **Aspect Ratio:** 16:9, 4:3

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Audio	**Formats:** MPEG-1 L2, MPEG-1 L3 (MP3), AAC, AAC-HE, WMA, Dolby Digital / AC3
Streaming	**Protocols:** UDP TS, RTP TS, RTSP, Apple HLS, Unicast, Multicast, HTTPS
Encryption	**Content Protection/DRM:** MPEG TS w/ 128-bit, MPEG TS w/ AES 256-bit, Z-IP Connect, Z-IP Encode Blades and Appliances, ATX Ucrypt, MS Active Directory Integration
Interfaces	**Network:** 1 x 10/100 **HDMI Digital A/V:** 1 x HDMI 1.4a w/ CEC Support **Analog A/V:** 1 x mini-din break-out cable for composite video + unbalanced stereo audio **SPDIF Digital Audio:** 1 x SPDIF **USB:** 2 x USB 2.0 **TVI Control Port:** 1 x RS-232 w/ IR Remote Control Sensor and Extender Port
Digital Signage	**Multi-stream HD Decoding:** 2 x 1920x1080 streams/files **Web technologies:** HTML, JavaScript, PHP **Latency:** 300ms decoding **Processing:** PiP, Alpha Channel, Text/Graphic Overlays, 100% hardware video decode, Separate processing of video and graphics with no shared resources, Emergency Management
Environment	**Operating Temperatures:** 32°F to 122°F (0°C to 50°C) **Relative Humidity:** 5% to 95% (non-condensing) **EMC Standards:** FCC Part 15 Class B **Compliances:** RoHS, TAA