

# EZ TV EP6 End-Point

Multi-purpose 4K UHD IPTV End-Point



4K UHD IPTV end-point which delivers interactive viewing portals and advanced network video decoding. Its fanless design and PoE+ functionality, combined with stunning 4K graphics, make it an excellent choice for demanding signage applications where premium video quality and high impact graphics are important.

Integrated with VITEC management platforms, the EP6 can be controlled and operated from a central management interface for the day-to-day administration of content, schedules, and user access rights. This single point of management simplifies the complexity and costs associated with the initial deployment of an advanced IPTV and signage solution, and ensures that the system is intuitive to operate, maintain, and scale, to easily adapt to customer requirements.

Designed with maximum video performance, lowest playback latency and highest reliability in mind, the EP6 End-Point features 100% hardware-based video decoding, dual-4K playback of live IPTV streams or files and solid state components, all packaged in a robust enclosure with no moving parts.

## Features & Benefits

- Professional-grade set-top box for reliable playback of live and recorded IPTV streams and digital signage content
- Discrete hardware processors for IP video decoding and signage graphic layout
- UHD graphics
- Decode two 4K IP streams/video files simultaneously for eye-catching signs or Picture-in-Picture view
- AES decryption approved by major content providers
- Microsoft Active Directory support for Single Sign-On workflow in conjunction with corporate domain and security policies
- Robust, fanless and 100% silent compact appliance designed for demanding environments
- HDMI input
- Dual HDMI output
- Integrated mounting brackets
- TV control using RS-232 serial interface
- PoE+ support
- TAA-compliant
- API for integration/control by external control systems such as AMX/Crestron/mobile devices

# Technical Specification

Interfaces	
Network	1x 100/1000 Mbps
HDMI Digital Video/Audio	2x HDMI 2.0 w/ 4K, CEC Support, 2 channel PCM
Analog Video/Audio	1x 3.5mm jack stereo line level audio
USB	1x USB 3.0+, 1x USB 2.0
TVI Control Port	1x RS-232
IR Remote Control Sensor	✓
IR Extender Support (optional accessory)	✓
Video Formats	
MPEG-2	✓
MPEG-4 AVC (H.264)	✓
HEVC (H.265)	✓
VP9	✓+
HTML5	✓
Maximum Resolution	3840 x 2160
Aspect Ratio	16:9, 4:3
High Dynamic Range (HDR)	HDR10
Audio Formats	
MPEG-1 Layer II (ISO/IEC 11172-3)	✓
MPEG-1 Layer III (MP3)	✓+
AAC	✓
AAC-LC/LC+	✓
AAC+	✓
HE-AAC	✓
AC-3/E-AC-3	✓
Streaming Protocols	
UDP TS	✓
Multicast and Unicast	✓
RTP TS	✓
RTSP	✓
Apple HLS	✓
SRT	✓
Accessibility	
Subtitles	DVB, Teletext, Closed Captions
Content Protection & DRM	
MPEG TS with AES 128-bit	✓
VITEC Ocaster Encryption	✓
VITEC ChannelLink Encryption	✓
VITEC MGW Encryption	✓
ATX Ucrypt Encryption	✓
Harmonic ProStream Encryption	✓
MS Active Directory Integration	✓
Power	
PoE/PoE+	PoE+ (IEEE 802.3at - 2009)
External AC-DC PSU	24W Max, 90-264VAC*
Network	
DHCP IP addressing	✓
IEEE 802.1X network authentication	✓
Simple Certificate Enrollment Protocol (SCEP) for 802.1X	✓

Physical	
Dimensions	255mm W x 136mm D x 36mm H (10.04" W x 5.35" D x 1.42" H)
Weight	675g (1.49lb)
Internal Storage	64GB
IR Remote Control	EP+TV Control, 16 unique pairings
Enclosure	Robust aluminum chassis, fanless, 100% silent
Mounting	Built-in brackets
Environmental & Compliance	
Operating Temperature: PoE/PoE+ External AC-DC PSU	0°C to 50°C (32°F to 122°F), 0°C to 40°C (32°F to 104°F)
Relative Humidity: PoE/PoE+ External AC/DC PSU	5% to 95% (non-condensing) 10% to 90% (non-condensing)
EMC Standards	FCC Part 15 Class A
RoHS-Compliant	✓
TAA-Compliant	✓
Digital Signage Processing	
Multi-Stream Decoding	2 X 4K or 4 X HD streams/files
Picture-in-Picture (PiP)	✓
Alpha Channel	✓
Text/Graphics Overlays	✓
100% Hardware Video Decode	✓
Separate processing of video and graphics with no shared resources	✓
Web Technologies	Hardware accelerated HTML5 browser, with Blob video playback support
Emergency Management	✓
Low-delay playback of live IPTV Streams	Low end-to-end latency (Sub 300ms end-to-end latency [Specific settings required. Contact VITEC Support for more information])
Multi-Display Support	Mirrored output on up to 2 discrete displays
Display Layouts Support	1 x 1
Vertical Signage Support	✓
4K Graphics	✓

† Future release  
\* Separate orderable item

## Rear Panel Interface

