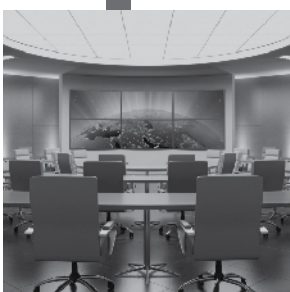


Restaurants,
Pubs, & Bars



Health &
Fitness Clubs



Corporate

Zvb701-EU

HD Digital Encoder / Modulator

**Smaller Deployment, Reduced Footprint for
Distributing HD Video and Digital Signage**

Superior Video Quality

- Full MPEG2 implementation
- I, P, and B Frames
- Low latency
- Full motion estimation with a wide search range

High Reliability

- Low-stress power system
- Full system instrumentation and monitoring
- Official international regulatory approval
- Forced air cooling for effective thermal control

Ease of Management

- Powerful, highly intuitive web interface
- On-site or remote management
- Web accessible instrumentation and management
- Front Panel Display for on-site status and management at a glance

Extensible Architecture

- Easy downloadable firmware updates
- Future enhancements provided regularly

A Clean Headend



Easy Setup

Simple Installation

Quick Rollout

It's Done.



BOSTON | DENVER | LONDON

zeevee.com

Zvb701-EU

HD Digital Encoder / Modulator



Zvb701 Rear Detail



Zvb701 Front Detail



ZvSync

ZvSync is a digital cable tuner with HDMI and composite outputs. Available in both DVB-T and QAM.

It's small, affordable, and can be used for:

- Projectors
- TVs Without Tuners
- Monitors



EMEA Sales

+44 1494 956677
EMEAsales@zeevee.com

International Sales

+1.347.851.7364
intl-sales@zeevee.com

North America Sales

+1.347.851.7364
sales@zeevee.com



BOSTON | DENVER | LONDON

GENERAL	
Model Name	Zvb701
Part Number	Zvb701-EU
Power	100-240 VAC 50/60 Hz, 36W max. 18W Typical IEC 60320-C14
Cooling	Internal cooling fan, Front inlet, Rear exhaust
Temperature/Humidity	Operating 0 C° to +45 C° (+32 F° to +113 F°) / 10% to 80%, non-condensing
Vibration	NSTA 1A in carton
MTBF	62,000 hours
Compliance	FCC Class A, IEC60065, EN61000 (see Manual # _____), CE, RoHS
Enclosure Type	Metal
Mounting	Shelf mount flange or rack ears (ordered separately), 1 RU high
Enclosure Dimensions	20.32 cm (H) x 25.4 cm (W) x 4.445 cm (H) 8 in. (H) x 10 in. (W) x 1.75 in. (H)
System Weight	1.4 kg (3.1 lbs.)
Carton Dimensions (individual)	6.985 cm (H) 35.56 cm (W) x 30.48 cm (D) 2.75 in. (H) 14 in. x (W) 12 in. (D)
Shipping Weight	2.3 kg (5 lbs.)
Warranty	1 year
VIDEO INPUT	
HDMI x1	One (1) port per model up to 1080 HDMI 1.3 Compliant. Backwards compatible to DVI 1.0 specifications
Closed Caption	EIA/CEA-608 captions accepted over composite video input
AUDIO INPUT	
Digital Audio and Stereo Analog	Digital as element of HDMI 1.3 port or 3.5 mm stereo female, line level input per channel
VIDEO ENCODER	
Encoder Video Profile	MPEG2 HD: ISO13818-2 Main Profile @ High Level
Traffic Shaping	Variable Bit Rate
Video Encoding Data Rates	Variable, 10 Mbs - 24 Mbs per channel
Average Encoding Data Rate	18 Mbs
Encoding Latency	Programmable 200 msec to 400 msec
Color Profile	4:2:0
GOP Size	15
Video, Audio PID	Programmable starting value
Program Information	Programmable program name, EIT
AUDIO ENCODER	
Encoder Audio Profile	ATSC A/52, MPEG-1 Audio Layer 2
MODULATOR / UPCONVERTER	
Modulation Types	DVB-T, DVB-C (ITU-T J83 Annex A) (varies by region)
Cable Standard	User defined (varies by region), CCIR
Frequency Range	Frequency agile CCIR Channels 21-79 <ul style="list-style-type: none"> • 57 MHz-900 MHz resolution • +/- 30 ppm accuracy • +/- 35 ppm stability
Output Power	+45 dBmV typical
Output Level Adjust	25 - 45 dBmV in 1dBmV steps
MER	> 38 dB typical
I/Q Amplitude Imbalance	< 1% typical
Spectral Tilt	< / = 1 dB over 8 MHz typical
CONTROL SET-UP	
Network Interface	10/100 Mb Ethernet via RJ45 connection IP address via DHCP or set by user HTML/Javascript served web interface for easy configuration Telnet connection for CLI scripting Easy firmware updates All settings saved in NV storage
Front Panel Color Display	Quickly obtain status at a glance, basic configurations, software revisions and updates