

**All Specifications Subject to Change Without Notice*

TECH SPECS GENERAL

Model Name **VECASTE HD-H264**

SKU **0649070905824**

Power **100-240 VAC 50/60 Hz, 10W max. 5W Typical via external pro power adapter with secure screw-lock**

Cooling **Fan-Less / Noiseless**

Temperature/Humidity **+32 F° to +115 F° (0 C° to +46 C°) / 10% to 80% non-condensing**

Vibration **NSTA 1A in carton**

MTBF **55,000 hours**

Compliance **FCC Class A, IEC60065, EN61000, CE, RoHS, RCM C-Tick**

Enclosure Type **EMI Shielded Metal**

Stand-Alone Mounting **Stand-Alone with side mounting Ears**

Rack Mounting **Up to 15 VECASTER unit can be installed using our optional Rack Bars in a 4RU Rack Space**

Enclosure Dimensions **Total with side ears W 6.5"(164mm) x D 6.7"(170mm) x H 1"(26mm)**

System Weight **0.6 lbs. (250 grams)**

Carton Dimensions (Individual) **W 9.5"(241mm) x D 13"(330mm) x H 4.7"(119mm)**

Shipping Weight **2.2 lbs. (1 kg)**

Warranty **5 years**

Reliability **Pro Modular Design - 24/7 Operation**

System Maintenance **Modular Design allows on-site replacement of any encoder without removing the system from site**

INSTALLATION

Remote Control **Via PC and web interface via secure login**

Simple Setup **Simple configuration via Login-Protected Web Interface and intuitive windows**

IPTV Networks **Built-In IPTV Server to drive directly any LAN, WIFI, INTERNET, with M3U8, HLS, RTMP, HTTP, UDP, RTSP**

HDMI Inputs **Licensed HDMI inputs compatible to any HDMI Video source**

Multi-Units **Multiple units can be used on the same network for more channels, by simply configuring different IP Addresses per each unit**

VIDEO INPUT

HDMI 1 port of Licensed HDMI input - compatible to any HDMI Video Source up to 1080p resolution

HDMI Version Compatible to any HDMI source including HDMI 2.0 (Max input resolutions 1080p 60)

EDID Control Advanced EDID Auto control compatible with any HDMI Video source

AUTO Detection Auto frame-rate input switching

CC Closed Caption Digital In-HDMI CC video pass

Video Resolutions 480i / 480p / 576i / 576p / 720p / 1080i / 1080p (AUTO EDID or Selectable SCALER)

Sub Resolutions and PC Resolutions are also supported on both HDMI Inputs and the Target Encoding

Frames Ratio 1 to 60 FPS selectable stream by stream

Aspect Ratios 16:9 / 4:3 / Film mode detection (3:2 pull-down)

AUDIO INPUT

HDMI AUDIO Any HDMI Embedded Digital Audio

COLOR BARS

TEST GENERATOR Built-In Broadcast HD Test Pattern Generator for plug 'n play installations and input signal lost detection

VIDEO ENCODER

Encoder Video Profile - MPEG4 H.264 base profile / main profile / high profile - any level

- 2 independent Encoded streams from the same HDMI input adjusting scaling, frame rate, logos, etc per each

- where / if not needed, the secondary stream can be turned off.

Encoding Mode Interlace & Progressive encoding support

Video Processing Extensive video pre-processing help get the best picture whatever the source

Processors Per Channel Broadcast Encoder Chipsets for maximum Quality

Video Processing Extensive video pre-processing including Noise reduction and Resolution changing

Encoding In-Out Latency <50 milliseconds HDMI input to IP out in udp mode - Excluded player buffering

Traffic Shaping Selectable Triple Motion Estimation Look-Ahead Statistical Variable Bitrate or Constant Bitrate

Video Encoding Data Rates VBR Variable, 64Kbps 15Mbps per channel

Color Profile 4:2:0 Broadcast Grade Sampling

GOP Size 15

PCR Precision Broadcast-Grade Accuracy

AUDIO ENCODER

Channels *1 x stereo audio channel processing*

Audio Formats *- Dolby Digital® (AC-3) - Encoding rates from 56 kbps to 640 kbps*

- MPEG-1 Layer II Audio Encoding Standard Encoding rates from 32 kbps to 384 kbps

- AAC Advanced Audio Coding

- MP3 Audio Encoding

Audio Video Sync *Automatic Audio Video frame by frame synchronization with Time Stamp*

TRANSPORT STREAM

PIDs Numbering *Full Control to match any specific Network Provider or application Needs*

Descriptors *Full Control to set Programs Names / Network / Provider*

CONTROL SET UP

NETWORK *In-Band Ip web remote control via secure login*