

### Efficiency and Performance in an H.264 Appliance

Available in both single and dual channel versions, VBrick's new H.264 decoder is the ideal complement to VBrick's line of H.264 encoding appliances. Designed to deliver the highest in video quality and reliability with very low latency, this unit is ideal for enterprise, government, and military customers for point to point and multicast video backhaul applications. Customers needing a choice of A/V inputs and outputs will find this decoder delivers exceptional performance, ease-of-use, and flexibility in a professional grade package.



- Applications**
- Corporate Video** – Broadcasts backhaul and studio-to-studio connections
  - Mission Video** – Surveillance and UAV feeds, range video, force protection, and mission control
  - Large Signage Installations** – Source digital signage from a centralized location

### Models

- 7210 H-HD** H.264 Decoding Appliance with Analog A/V & SD/HD-SDI
- 7211 H-HD** H.264 Decoding Appliance with Analog A/V & SD/HD-SDI
- 7220 H-HD** H.264 Dual Decoding Appliance with Analog A/V
- 7221 H-HD** H.264 Dual Decoding Appliance with Analog A/V & SD/HD-SDI

### Related VBrick Products

- BPS Class H.264 Encoding Appliances
- XPS Class H.264 Encoding Appliances
- HPS Class H.264 Encoding Appliances

- Capabilities** The H.264 decoder is fully compatible with VBrick's H.264 encoding appliances and offers the following capabilities:

- Decoding** – Single or dual channel H.264 decoding
- High Definition Video** – Supports lifelike HD video in either 1080p or 720p resolutions, or decodes up to D1 resolution at lower data rates
- Video Output** – Choice of three different analog or digital video outputs composite video, component video, or SD/HD-SDI
- Front Panel Display and Management** – Easy front panel configuration
- High Quality Audio** – Analog or digital stereo audio outputs
- Network Transmission** – Receive Unicast or Multicast video streams
- Remote Management** – Web and SNMP interfaces for full remote control and management
- Failover Modes** – Automatic Ethernet network port and multicast group failover

- Benefits**
- Dependable embedded operating system and dedicated decoding hardware delivers highest reliability for mission-critical applications
  - HD video output is ideal for large displays and video backhaul applications
  - Flexible networking and bandwidth options allow for placement anywhere in the network
  - Create high density installations using dual 1RU rackmountable decoders
  - Configure and place into operation rapidly via the front panel
  - Efficient H.264 codec delivers the highest video quality at the lowest bandwidth
  - Low latency enables near real-time applications and two-way video
  - Failover modes increase unit availability and stream reliability



## H.264 DECODING APPLIANCE

### Features and Specifications

#### Transport and Networking Protocols

- H.264 in MPEG2 Transport Stream
- CBR and VBR
- CBR 1Mbps to 10Mbps, VBR 32Kbps to 10Mbps
- Unicast or Multicast over UDP
- IGMPv1/2/3

#### Video Decoder

- H.264 ISO/IEC 14496-10, Main Profile, Level 4.1
- Closed Captioning
- 4:3 and Widescreen 16:9 Frame Aspect Ratios

#### Audio Decoder

- AAC-LC, AAC-HE ISO/IEC 14496-3

#### Video Outputs

- Analog: NTSC SMPTE 170M, PAL ITU-R.470-6, Component Video SMPTE 274M/296M/253M
- Digital: SD/HD-SDI SMPTE 259M/292M/274M/296M
- BNC connectors for analog and digital video

#### Audio Outputs

- Analog: Stereo Line Level Unbalanced BNC, Balanced XLR (through optional XLR cable)
- SDI audio SMPTE 272M
- BNC connectors for analog and digital audio

#### Network Connectivity

- 10/100/100 Ethernet
- Separate Ethernet port for management
- Redundant Ethernet ports for video with automatic failover
- Static IP address or DHCP

#### Management

- Front Panel
- Management Web Pages over HTTP from integrated web server
- SNMP

#### Dimensions

- 19" W x 1RU (1.75") H x 19" D

#### Power Supply Input

- 95-135 VAC or 180-265 VAC, .6A/70W

#### Regulatory Approvals

- UL, CE, CSA, RoHS, WEEE

#### Front Panel Display

- Vacuum Fluorescent Display: 4 line x 20 characters
- LED Status

#### Options

- XLR audio cable ordering information:  
8100-0022 CABLE BALANCED AUDIO H.264 DECODER