

Datasheet : DecodePro 4K



IP Video Decoder - 4-Channel 4K Multi-Format HDMI, SDI, VGA, CVBS

Deliver crisp, ultra-high-definition video with our 4-Channel 4K Multi-Format IP Video Decoder. Designed for professional-grade performance, this 1U rack-mounted decoder supports decoding of H.265/H.264 streams from RTMP, RTSP, UDP, HTTP, HLS, and FLV protocols. Whether you're integrating with an IP encoder or media server, this unit offers seamless decoding and outputs simultaneously via HDMI, SDI, VGA, CVBS, and stereo L/R audio.

With its compact form factor and high-density channel support, it's ideal for live broadcast centers, digital signage networks, security monitoring, and streaming applications that demand reliability and flexibility.

Applications

- IPTV Headends
- Digital Signage Playback
- CCTV Monitoring Systems
- Live Streaming and Event Broadcasting
- Hotel and Hospitality AV Distribution
- Control Room and Command Centers
- Stadium and Venue Media Decoding
- Transportation and Public Display Systems

Features :

- **Multi-Channel Decoding**
Supports up to **4 independent IP video streams**, each decoded simultaneously in real-time.
- **High-Efficiency Codec Support**
Compatible with **H.265 (HEVC)** and **H.264 (AVC)** compression standards for optimized bandwidth usage.
- **Multiple Protocol Compatibility**
Decodes IP streams via **RTMP, RTSP, UDP (TS over IP), HTTP, HLS, and FLV**, supporting both unicast and multicast workflows.
- **Ultra HD Video Output**
Each channel supports output resolutions up to **4K UHD (3840x2160)** depending on stream parameters.
- **Multi-Format Output Interfaces**
Simultaneously outputs decoded video through:
 - **HDMI** (up to 4K)
 - **3G/HD-SDI**
 - **VGA**
 - **CVBS (Composite Video)**
 - **L/R Analog Stereo Audio**
- **Rack-Mountable 1U Design**
Professional-grade **1U chassis** suitable for 19" equipment racks; optimized for broadcast and enterprise AV environments.
- **Web-Based Management Interface**
Built-in web GUI for configuration, monitoring, IP stream management, firmware updates, and diagnostics.
- **Low Latency Decoding**
Hardware-accelerated decoding ensures minimal delay — ideal for live broadcast and security applications.
- **High Interoperability**
Works seamlessly with third-party encoders, cameras, media servers, and streaming platforms.
- **Robust Network Interface**
Equipped with **Gigabit Ethernet (RJ45, 10/100/1000 Mbps)** for stable IP stream reception and management access.
- **Reliable 24/7 Operation**
Industrial-grade components and thermal design for continuous operation in demanding environments.
- **Firmware Upgradeable**
Supports remote firmware updates for feature enhancements and protocol expansion (e.g., SRT if supported).

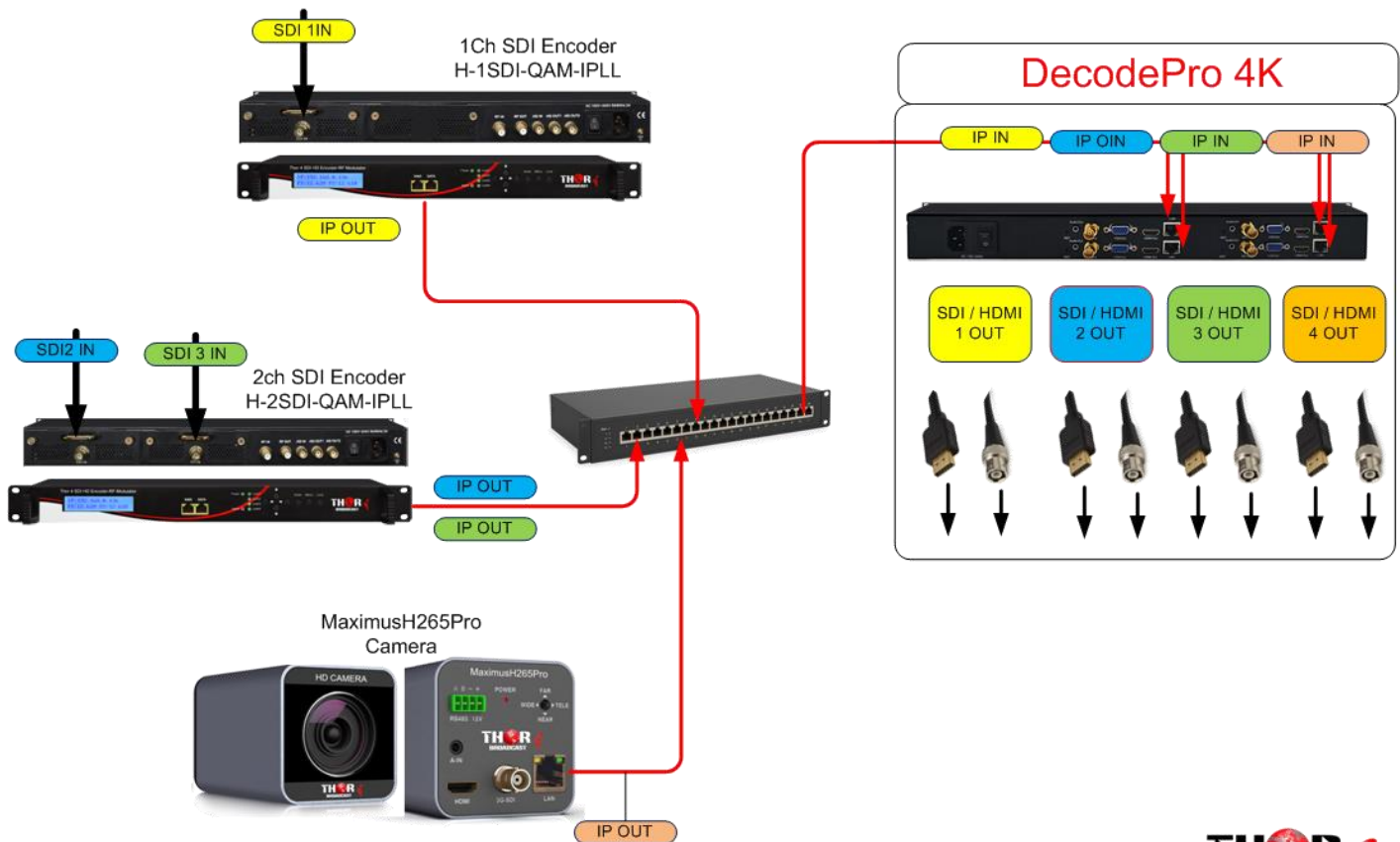
Model Selection

DecodePro 4K - Professional 4-Channel 4K IP Video Decoder with HDMI, SDI, VGA & CVBS output

Drawing:

SDI or HDMI over IP Encoding and Decoding Application Drawing

IP Video Decoder - 4-Channel 4K Multi-Format HDMI, SDI, VGA, CVBS



Specifications:

Feature	Details
Video Input	IP Streaming via RTMP, RTSP, UDP, HTTP, HLS, FLV
Decoding Format	H.265 / H.264
Video Outputs	HDMI, SDI, VGA, CVBS
Audio Output	L/R Stereo Analog
Maximum Resolution	4K UHD (3840×2160)
Channels	4 Independent Decoding Channels
Rack Mount	1U Standard Rack-Mountable Enclosure
Network Port	1× RJ45 100/1000M Ethernet
Control Interface	Web GUI (Browser-Based), SNMP, Telnet (optional)
Power Supply	AC 110–240V
Operating Temperature	0°C to +50°C
Dimensions	19" × 1U × Depth (varies)