



# TelVue® ProVue™

## Professional IP Broadcast Decoder

### Convert IP Video to SD/HD-SDI

Broadcasters have embraced file-based workflows for cost-effective, real-time transfer and management of video over IP networks. But the production process still involves processing SD/HD-SDI video at points along the broadcast chain, including acquisition and transmission.

TelVue® ProVue™ provides a valuable gateway between the IP networking and baseband video worlds. This reliable, user-friendly IP video decoder converts MPEG-2 transport streams into broadcast quality SD/HD-SDI video for SDI integration, processing, and broadcast. Operation is as simple as selecting your input source IP stream and desired output format, then hitting "start." It also remembers and recalls preferred settings.

Whether you need to decode the IP output of a satellite receiver, networked real-time encoder, or one or more outputs of the TelVue® HyperCaster™ IP broadcast server, TelVue® ProVue™ is the ideal solution.

It automatically detects format changes in the source IP stream for seamless transitions and up-converts or down-converts as needed to match your output settings. These features enable precise IP video decoding to broadcast quality SD/HD-SDI video for professional remote broadcasting, SD/HD and digital simulcast, among other applications. The TelVue® ProVue™ IP broadcast decoder will revolutionize how your channel gets displayed and distributed.

### APPLICATIONS

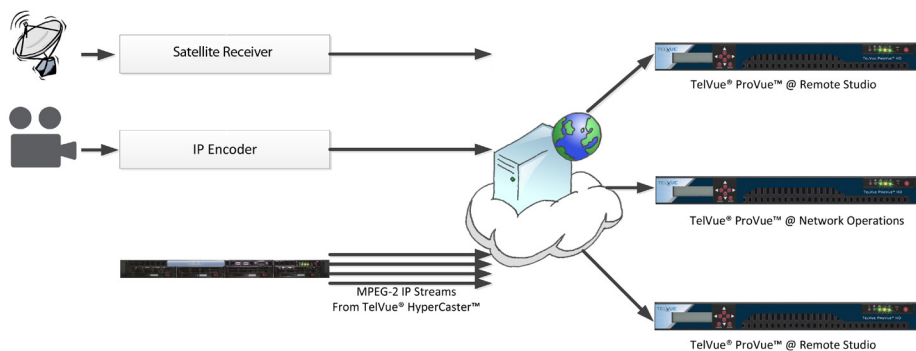
- Networked IP Broadcast Decoder
- IP Video Decoder
- MPEG-2 Transport Decoder
- SD/HD & Digital/Baseband Simulcast

### FEATURES

- Seamless On-The-Fly Format Switching
- Automatic Up & Down Conversion
- SD & HD Up To 1080p
- Unicast, Multicast, SSM, UDP, RTP
- MPEG-2 TS, MPEG-1 Layer II & AC-3 Audio
- SD/HD-SDI Output
- Save & Restore Stream Presets

### BENEFITS

- Designed For 24 x 7 Reliability
- Easy IP Integration
- Eliminate Distribution Distance Limitations
- Enable Professional Remote Broadcast
- 1 RU (1.75") Of Rack Space



# TelVue® ProVue™ Specifications

The innovative TelVue® ProVue™ IP broadcast decoder has been designed to enable an IP distribution model while providing standard or high definition digital broadcast quality output for integration with SDI distribution chains.

This user-friendly, Linux-based video appliance features a front panel LCD interface that lets you “set it and forget it.” Engineered to be a future-proof, the TelVue® ProVue™ IP broadcast decoder provides SD and HD broadcast decoding up to 1080p resolution, Genlock, and an internal Solid State Drive (SSD) for high reliability and 24x7 performance.

Input	
Video/Audio	IP via 10/100/1000 Ethernet
Stream Type	Unicast, Multicast, SSM, UDP, RTP
Genlock	1 x Sync Input Blackburst in SD 720p 50 fps 720p 59.94 fps 1080i 50fps 1080i 59.94 fps Tri-Sync in any HD format

Formats	
Video	MPEG-2 (ISO/IEC 13818-2) MPEG-2 TS, CableLabs, ATSC SD & HD Standards PAL/NTSC/Cinema Support 4:2:0 and 4:2:2
Audio	MPEG-1 Layer II Dolby Digital (AC-3) decode 2.0 and 5.1 Downmixed

Output	
Serial Digital Interface	SMPTE 292M (HD) & SMPTE 259M (SD)
Audio Output	Digital Embedded

General	
Storage	OS & System Software on Solid State Drive
OS	Linux
Features	Seamless On-The-Fly Format Switching Automatic Up & Down Conversion Save & Restore Stream Preset

Display Resolutions	
SD Resolutions	480i 29.97 fps 480i 23.98 fps 576i 25 fps
HD Resolutions	1080p 23.98 fps 1080p 24 fps 1080p 25 fps 1080p 29.97 fps 1080p 30 fps 1080i 25 fps 1080i 29.97 fps 1080i 30 fps 720p 50 fps 720p 59.94 fps 720p 60 fps

External Interfaces & Connections (Typically Used)	
Front Panel	Power/Fail/Drive LEDs Power/Reset Switch 2 Line LCD 6 Button Interface For Setup
Rear Panel	Dual 10/100BT/1000BT Link Data LEDs

Physical	
Power	100 – 240VAC/200 Watts
Dimension	17.2" x 1.7" x 10 (W x H x D)
Weight	10 lbs.
Form Factors	1 RU 19" Standard

Note: Specifications are subject to change without notice.

**TelVue® Corporation** provides innovative, cost-effective digital video and IP broadcasting platforms and cloud-based services. This powerful, intuitive technology lets users program, manage, and deliver live, streaming, or on demand video channels that reach viewers via HDTV, Internet, or mobile media. TelVue products—such as digital video servers, encoders, and Internet streaming solutions—leverage a streamlined, file-based workflow rich with features tailored to the unique needs of cable and telco television providers. For more information about TelVue Corporation’s products for broadcast and cable TV providers, as well as educational and community access channels, and new media companies, please visit: <http://www.telvue.com>.



POWERING IP BROADCAST™