



**Flexibility** is the core of the **TelVue ProVue GFX** that offers operators a wide variety of channel and stream processing capabilities.

The TelVue ProVue GFX allows you to easily add schedulable, on-screen graphics to live baseband and streaming/IP sources. Display Logos, Crawls, Snipes & Squeezebacks to add valuable branding and messaging to any source. Powerful, rules-based automation allows automatically triggering specific overlays based on time intervals such as “on the 5s”, and specific programs. The ProVue GFX supports automatic, seamless up & down-conversion between sources, plus optional CALM/Loudness control to ensure a consistent audio output level across sources. The base configuration supports HD-SDI output with optional MPEG-2 or H.264 Transport IP output.



**APPLICATIONS**

- Channel Branding
- Headline Ticker & Data Feeds
- Format Switching & Stream Smoothing
- Announce Channel Realignments
- Communicate Channel Re-Transmissions
- Integrate Live Internet & IP Streams
- Create Linear Video Channel from IP Streams
- Fix Channel Audio Levels
- Networked IP Broadcast Decoder/Encoder/Transcoder
- Integrate Live Meetings - Zoom, WebEx, GoToMeeing
- Integrate Live social media streams - YouTube, Facebook

**FEATURES**

- Schedulable Logos, Tickers & Squeezebacks
- XML, RSS, and Emergency Tickers
- Rules-based Automation
- SDI, NDI, MPEG-2 TS, RTMP, HLS, RTSP, RTP, SRT Inputs
- Schedulable Baseband Input & Stream Switching
- Seamless Transitions between Source & Formats
- Automatic Up & Down Conversion
- SDI Output - SD & HD Up To 1080p
- Auto-fade Transition Effect
- Optional CALM Audio Loudness Control

# TelVue® ProVue™ GFX Specifications

The innovative TelVue ProVue GFX channel processor has been designed to enable flexible IP distribution while providing traditional video tools such as on-screen graphics and format conversion. Seamlessly switch between SDI and IP sources on schedule, with powerful processing including channel branding, on-screen graphics, format conversion, and SDI and IP output options. The CALM Audio Normalization upgrade enables operators to fix problematic audio stream levels. This user-friendly, Linux-based video appliance features a front panel LCD interface for easy set-up and web GUI for complete remote setup, management, and scheduling. Engineered to be future-proof, the TelVue ProVue GFX channel processor provides SD and HD broadcast decoding & encoding up to 1080p. To ensure high reliability and 24x7 performance, the system uses an internal Solid State Drive (SSD).

SDI Input / Output	
Video	SMPTE 292M (HD) & SMPTE 259M (SD)
Audio	Digital Embedded
HD-SDI Genlock	1 x Sync Input Blackburst in SD 720p 50 fps or 59.94 fps 1080i 50fps or 59.94 fps Tri-Sync in any HD format
SD Resolutions	480i 29.97 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

MPEG-2 TS Output (Optional)	
MPEG-2 (ISO/IEC 13818-2) AVC/H.264 MPEG-2 TS, CableLabs®, ATSC SD & HD Standards PAL/NTSC/Cinema Support 4:2:0 and 4:2:2	
SD Resolutions	720 x 576 720 x 480 640 x 480 528 x 480 320 x 240
HD Resolutions	1920 x 1080 1280 x 720
Frame Rates	60*, 59.94*, 30, 29.97, 25, 24, 23.97 fps *For 1280 x 720 only

IP Input	
Video/Audio	IP via 10/100/1000 Ethernet
Stream Types	MPEG2 TS, Unicast, Multicast, SSM, RTP, RTMP, HLS, RTPS, NDI and SRT
Video Codecs	H.264 & MPEG-2
Audio	AAC, Dolby Digital (AC-3), MPEG-1 Layer II

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 GigE Ethernet / BNC for SDI In/Out/Sync RS-232 Port for Ext. Switch Control

General	
Storage	OS & System Software on Solid State Drive
OS	Linux
Application	Browser-based User Interface. Manage & Schedule Inputs, Live Stream, Sources, and Graphics. Live Event Scheduler and Rules-based, Automatic Overlays.

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

Note: Specifications are subject to change without notice.

**TelVue® Corporation** is a broadcast technology innovator and leader that helps video broadcasters automate their channels, expand their audiences across multiple screens, and broaden their ability to monetize their content. TelVue's professional quality broadcast equipment and cloud video services include all-in-one digital broadcast servers, ad servers, live and VOD Internet streaming, multi-user contribution and transcoding, hosted broadcast, broadcast program sharing, and web-based digital signage. TelVue serves the local origination and leased access needs of the top 10 MSOs and over 150 cable & telco TV operators, powers over 2,500 hyperlocal and PEG channels, and delivers local programming to over 50 million households.



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