Videstra

Brings Micro-Local IP Camera Management into the Broadcast Station Production Workflow

VestraView GUI list view with simulated router output control

Heartland Video Systems (HVS) has been supplying broadcasters with quality communication equipment, professional install-ation services, and ongoing technical support for over 20 years.

The Videstra product suite provides TV broadcasters with a powerful and elegant solution to integrate and manage remote IP cameras {weather, tower, rooftop, and DOT*} into a production workflow, from source to screen with ease and simplicity.

New Revenue Streams
One of the best features of the Videstra system is the ability to independently brand or sponsor the camera feeds, providing new revenue opportunities that can quickly cover the system's initial investment.

End-to-End Workflow
Videstra offers a complete hardware and software solution that includes **V-Streamer**™, **V-Manager**™, and associated **VestraView**™ client software.

Micro-Local Cameras
The Videstra system works with a broad range of IP cameras from numerous manufacturers and fully integrates camera control for a variety of IP streaming camera models. Videstra is scalable; it can accept one or over 100 cameras with the same in-house infrastructure and includes super-simple DOT* camera access. New IP cameras can easily be added with no additional hardware. The solution provides 4 or 8 simultaneous channels of genlocked HD-SDI output feeds for news and weather integration.

Advanced Web Services
Putting IP cameras "on-air" is only a portion of what this solution offers. Videstra easily enables web publishing of images and time lapse footage. **LiveShare**™ is an optional managed cloud-based add-on service to publish your live Micro-Local camera streams directly to your website. All web feeds are available with brand or sponsor opportunities.
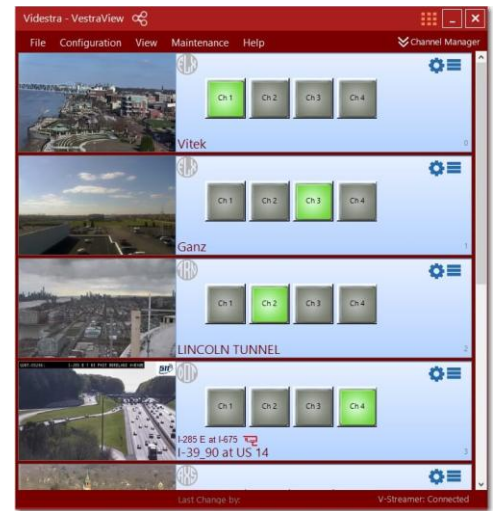
Simple User GUI
VestraView client software is simple yet powerful with either list or tile views of the source IP video feeds and a familiar router output control. It is installed on Windows 10/11 compatible PCs in studio control, master control, the weather office, and other locations in the station's studio. VestraView even has a touch screen mode for the control rooms that eliminates the need for a keyboard and mouse.

Automation Integration
Videstra also provides the ability to be driven by popular broadcast automation software like Ross Overdrive™ and Grass Valley Ignite™.

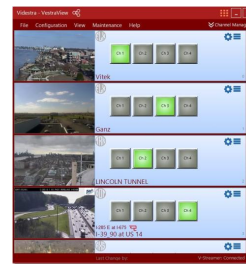* DOT Cameras not supported in all states – check with HVS for current list.

KEY FEATURES

► Generate new revenue with brand or sponsorship of camera feeds

► Scalable solution for 1 to over 100 IP cameras, add new cameras with no additional hardware

► Simple router-like access to every camera/stream; 4 or 8 outputs

► Select cameras can access PTZ (pan-tilt-zoom) functions

► Compatible with automation systems including Ross Overdrive™ and Grass Valley Ignite™

► Automated web publishing for images and time lapse sequences

► Access traffic cameras from your state's DOT*

► **CloudShare** accesses cameras from every station in your group instantly (optional)

► **LiveShare** cloud-based service to publish IP camera streams to your website (optional)

HVS **Heartland Video Systems, Inc.**
Experts in TV technology partnering with our customers to provide creative solutions.
Customer-Focused Dedicated & Caring Honest & Ethical

Micro-Local IP Cameras

h.264 or h.265 via RTSP, RTMP, HLS, or SRT

Public IP Network

VestraView Clients

Station's IP Network

VestraView Tile View GUI
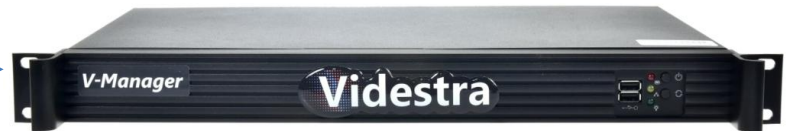
V-MANAGER SPECIFICATIONS

- Manages and controls all transactions between VestraView clients, cameras, 3rd party streams and the V-Streamer
- Generates branded still images and time lapse video for web use
- Generates branding for live streams via **LiveShare** web service

4x HD-SDI outputs to station's router

Station's Genlock

V-STREAMER SPECIFICATIONS

- 4x independently controllable outputs via VestraView (can be paired for up to 8x)
- Video outputs 720p 50/59.94 | 1080i 50/59.94 | 1080p 50/59.94 (3GA)
- Genlock Blackburst/Tri-level
- Genlock Offset Pixel/Line (H/V) offset up to 1 full frame
- Connectors 5X BNC or Mini BNC W/Pigtails (SDI X4 | Genlock X1)

- Decoding MPEG4 | h.264 (AVC) Baseline | Main | High Profiles | h.265 (HEVC)
- IP Transport rtsp | rtmp | udp(ts) | hls | srt
- Variable GOP
- Full scaling (all incoming resolutions are scaled to HD output resolution)
- Intel i7 Processor / 8GB RAM

- Linux Operating System (OS)
- IO via AJA Corvid (OEM License)
- 2x RJ-45 1 Gb Ethernet Network
- Monitor Ports For Console - HDMI/DisplayPort. KVM Compatible
- USB Peripheral Controls
- 110 – 220V AC Power Input
- 1RU Chassis, Dual Fan Cooling

V-Streamer Rear Panel

ORDERING INFORMATION

Please contact your authorized Heartland Video Systems (HVS) sales representative.
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