



Vela Vision with TVU MediaMesh®

End-to-end compliance, confidence monitoring, and quality assurance for broadcasters and content distributors — with TVU MediaMesh, Vela customers have visibility across their entire workflow, from signal source to viewer.

CONFIDENCE ACROSS THE ENTIRE WORKFLOW

Broadcasters, streaming media providers, and multi-platform content distributors require continuous visibility into the health and status of their content for compliance, quality of experience, and regulatory requirements. They also need verifiable records of programming for sponsor proof-of-airing, troubleshooting, and auditing.

Vela Vision with TVU MediaMesh gives operators a single, integrated monitoring layer across all TVU workflows — from live source contribution through cloud distribution to the viewer — providing instant, comprehensive visibility without added operational complexity.

SOLUTION OVERVIEW

Vela Vision

Next-generation broadcast and stream monitoring platform providing single-pane-of-glass visibility across an entire distribution ecosystem — with 130+ monitored parameters and AI-powered natural language querying.

TVU MediaMesh®

Cloud-first live media infrastructure for contribution, production, and distribution. Vela Vision monitors all MediaMesh workflows in real time, providing a critical observability layer for every feed and destination.

Together, Vela Vision and TVU MediaMesh deliver a complete live media workflow with built-in compliance, quality assurance, and audit capabilities — reducing risk and operational burden for broadcasters and content distributors of every scale.

130+ Monitored Parameters

Natural Language IQ

Ad Ops & Aircheck

Cloud / VM / On-Prem

Multiviewer

Custom Reports

HOW IT WORKS

1 Connect to TVU MediaMesh

Vela Vision integrates directly with TVU MediaMesh workflows, attaching a real-time monitoring layer across every feed — from live source contribution through cloud transport to the end viewer.

2 Monitor Across 130+ Parameters

Vision continuously analyzes every stream for video, audio, metadata, and transport quality — including frozen video, loudness, captions, SCTE packets, watermarks, and emergency alerts — logging all data in real time.

3 Visualize & Alert

Operators access customizable multiviewers and role-specific dashboards for instant visibility. Advanced alerting via SNMP, Email, SMS, Slack, MS Teams, WhatsApp, and REST API the moment thresholds are crossed.

4 Report, Record & Verify

Vision's natural language IQ interface generates instant compliance and SLA reports on demand. Full and proxy recording creates a complete audit trail — with near real-time clipping, exporting, and Ad Ops airchecks for sponsor proof-of-performance.

AT A GLANCE

- Single-pane-of-glass visibility
- 130+ quality parameters
- Compliance & regulatory monitoring
- Proof-of-airing & audit trails
- AI natural language queries
- Customizable multiviewers
- Full & proxy recording
- Ad verification & airchecks
- Cloud, VM, or on-premises
- Flexible Licensing

JOINT HIGHLIGHTS

Complete Workflow Visibility

Monitor all TVU MediaMesh feeds — source to viewer — in one integrated solution.

Compliance Built In

130+ parameters logged continuously. Instant reporting for SLA, ad delivery, and regulatory proof.

Flexible Deployment

Cloud, VM, or on-premises — matches any TVU MediaMesh deployment model.

CONTACT

TVU Networks

info@tvunetworks.com
www.tvunetworks.com

Vela Research, LP

sales@vela.com
www.vela.com

SOLUTION USE CASES

Broadcast Compliance & Quality Monitoring

Continuous 24×7 monitoring of live and linear broadcasts and streams — ensuring regulatory compliance, loudness standards, caption accuracy, and signal integrity across all TVU-delivered content.

Ad & Sponsor Verification

Automated aircheck generation and proof-of-performance reporting for advertisers and sponsors. The Ad Ops module streamlines verification across all distributed streams and platforms.

Troubleshooting & Auditing

Full and proxy recording at every point in the MediaMesh workflow creates a complete audit trail. Operators can clip, export, and share evidence instantly for rapid issue resolution.

Competitive & Open Source Monitoring

Monitor competitor programming, advertising, and open-source intelligence streams alongside owned content — all within the same Vela Vision platform and TVU transport infrastructure.

WHY IT MATTERS

Unmatched Parameter Depth

No competing solution monitors as many parameters with the same versatility and efficiency. 130+ metrics across video, audio, metadata, and transport — all logged, analyzed, and queryable in real time.

AI-Powered Insight

Vision's natural language IQ interface lets any operator instantly query the full historical and current performance of every monitored stream — no specialized expertise required.

High-Density Operations

Optimized for efficient, high-density deployments across multiple cloud or on-premises instances. Purpose-built for station groups, sports networks, and multi-site operations.

Proven at Scale

30+ years of experience and 1,000+ customer deployments across commercial television, sports networks, streaming platforms, and live entertainment with an Emmy Award-winning track record.

WORKFLOW OVERVIEW — VELA VISION + TVU MEDIAMESH®

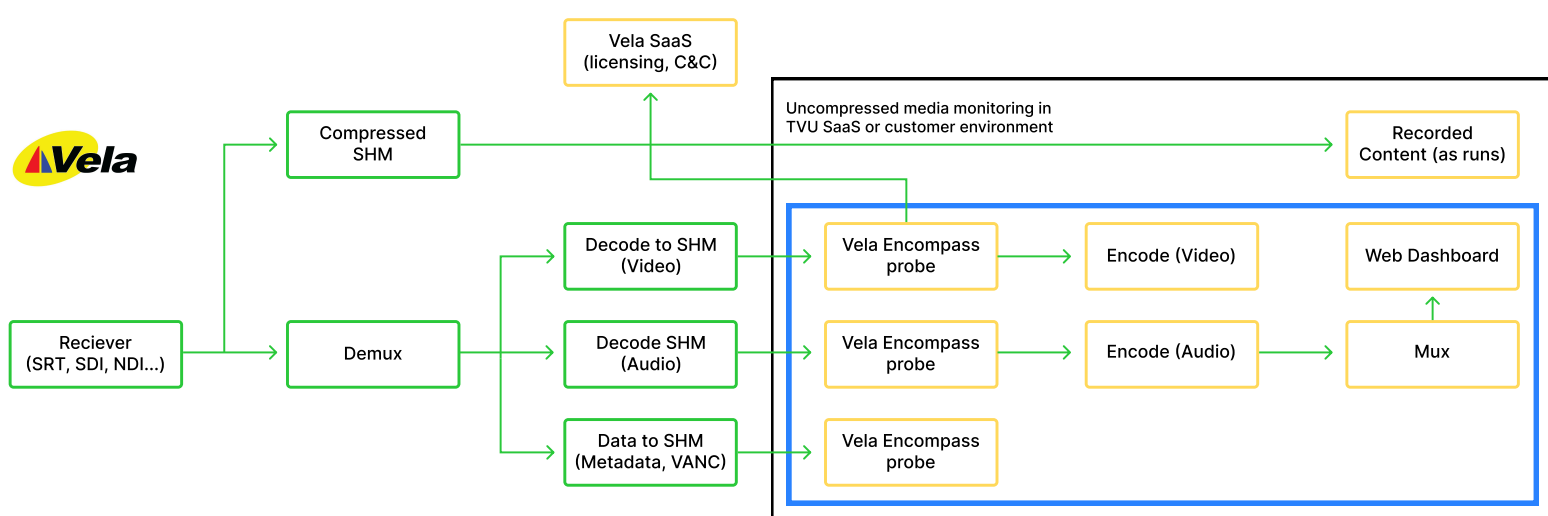


Fig. 1 — Vela Vision monitors all TVU MediaMesh workflows in real time. From live source contribution through cloud transport and distribution to the end viewer, Vision provides continuous quality, compliance, and performance visibility across every point in the chain.