



Grass Valley AMPP™ TVU MediaMesh®

TVU MediaMesh and Grass Valley AMPP unite cloud, on-premises and third-party production resources into a single media ecosystem — delivering unified discovery, routing and production at any scale.

CONNECTING PRODUCTION ECOSYSTEMS AT SCALE

Modern media operations depend on a growing mix of cloud services, on-premises infrastructure, remote contributors, production applications and partner solutions. Yet connecting these environments often requires custom integrations, protocol gateways, dedicated hardware and complex workflows.

TVU MediaMesh and Grass Valley AMPP solve this challenge by creating a unified media ecosystem where sources, destinations, applications and services become discoverable and routable across both platforms. Operators can seamlessly leverage AMPP production tools, MediaMesh-connected resources and integrated partner solutions without infrastructure barriers or complex engineering projects.

The result is faster deployment, lower operational complexity and the freedom to build the right workflow for every production.

SOLUTION OVERVIEW

Grass Valley AMPP™

A cloud-native production and content management platform delivering live production, switching, replay, audio mixing, graphics, multiviewers, routing, monitoring, recording and playout through modular applications and microservices. AMPP enables broadcasters to deploy, scale and manage production resources on cloud, on-premises and hybrid infrastructures.

TVU MediaMesh®

A cloud-first media exchange fabric enabling discovery, routing, transport, orchestration and interoperability across distributed media environments. MediaMesh provides a scalable foundation for connecting sources, destinations, applications and services across cloud, on-premises and hybrid infrastructures.

Together, TVU MediaMesh and Grass Valley AMPP create a seamless bridge between two powerful production ecosystems. Sources connected to MediaMesh become instantly available within AMPP, while AMPP applications, services and partner integrations become accessible within MediaMesh workflows.

HOW IT WORKS

1 Discover

Sources and services connected to either MediaMesh or AMPP become discoverable across both environments — including TVU RPS feeds, TVU Anywhere contributors, AMPP inputs, replay services, graphics, audio, and integrated partner applications.

2 Route

Operators discover, select and route available sources using familiar MediaMesh and AMPP interfaces. Content moves seamlessly between ecosystems without custom integrations or workflow redesign.

3 Produce

Media is processed using AMPP applications including Production Switching, Audio Mixing, Replay, Graphics, Multiviewers, Recording and Master Control — combined with MediaMesh-connected services and third-party partner solutions.

4 Deliver

Outputs reach any destination — AMPP and MediaMesh workflows, broadcast facilities, cloud environments, streaming platforms, OTT services and enterprise destinations — without additional gateways or dedicated receive hardware.

AT A GLANCE

- Bi-directional AMPP & MediaMesh connectivity
- Cloud, hybrid & on-premises deployments
- Access MediaMesh devices from AMPP
- Access AMPP apps from MediaMesh sources
- Eliminate point-to-point integrations
- Cloud, hybrid & on-premises deployments
- Accelerate distributed production
- Best-of-breed multi-vendor workflows
- No dedicated gateway hardware required

JOINT HIGHLIGHTS

Any Source. Any Destination.

Make live sources and destinations available across AMPP and MediaMesh regardless of location, infrastructure or vendor.

Unified Production Ecosystem

Connect production applications, transport services, partner integrations and media resources through a common operational environment.

Faster Workflow Deployment

Reduce engineering effort and operational complexity through native discovery and routing across both platforms.

Open Architecture Flexibility

Build workflows using the right technologies for each production without infrastructure constraints.

CONTACT

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SOLUTION USE CASES

Distributed Live Production

Acquire content from any location and deliver it directly into AMPP production environments while maintaining the flexibility to distribute and share content globally through MediaMesh.

Multi-Vendor Workflow Integration

Connect AMPP applications with MediaMesh-connected services and partner solutions without lengthy integration projects or custom development.

Sports Production

Enable venue acquisition, centralized production, replay, graphics and distribution across geographically dispersed teams, facilities and events.

News and Live Events

Rapidly connect contributors, production teams and distribution endpoints during breaking news coverage and live event productions.

Cloud Migration & Hybrid Operations

Bridge cloud, on-premises and remote production resources while preserving existing technology investments and operational workflows.

Production Resource Sharing

Extend the reach of production tools and services across organizations, facilities and teams by making resources accessible throughout both ecosystems.

WHY IT MATTERS

Expand the Reach of AMPP

Extend AMPP beyond its native environment by making production resources available throughout a broader media ecosystem.

Unlock the Power of MediaMesh

Leverage MediaMesh as a universal connectivity layer linking contributors, facilities, cloud resources, applications and partner services.

Reduce Operational Complexity

Replace costly custom integrations, protocol gateways and dedicated hardware with native interoperability between platforms.

Preserve Technology Choice

Combine AMPP applications, MediaMesh services and partner technologies to build the optimal workflow for every production.

ARCHITECTURE OVERVIEW



Fig. 1 — TVU MediaMesh and Grass Valley AMPP create a unified production ecosystem where sources, applications, services and destinations become discoverable and routable across both platforms. Organizations gain the flexibility to combine AMPP-native capabilities, MediaMesh-connected resources and partner solutions into scalable, cloud-native production workflows.

TVU MediaMesh® - Every Feed. Everyone. Connected.

tvunetworks.com | grassvalley.com