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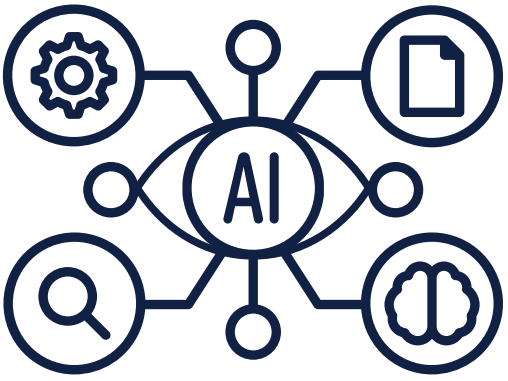
Solution Brief



Vantage AI Vision

AI-Powered Video Analysis for Metadata and Compliance

Making Video Content Searchable and Actionable



Broadcast, sports, and corporate teams sit on more video than they can classify, tag, or search by manual review. Cloud AI services can help automate these tasks, but they often introduce usage-based costs, require content to be uploaded to a third party environment, and require custom integrations to connect results back into workflows.

Vantage AI Vision is a workflow step that runs on your own servers, breaks video into scenes, classifies content, extracts on-screen text, generates keywords and summaries, and creates markers that editors can place directly on the timeline. You build workflows and run it the same way you already do for transcoding, captioning, and delivery in Vantage — and your content never leaves your network.

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The Challenge: Manual Content Classification and Metadata Creation Don't Scale



Most teams have more video than their current tools can effectively classify, review, and index, much of which is sensitive content that cannot leave their controlled environment. Streaming services and broadcast distributors must identify violence, nudity, mature content, profanity, and self-harm imagery to meet platform and regulatory standards. Doing this manually, reviewers can only spot-check a fraction of the library.

In addition, post-production teams that use different editorial tools such as Avid and other editing systems (NLEs) require flagged intervals and scene markers to land on their timeline, not in a PDF report they cross-reference frame by frame.

Corporate libraries, sports archives, and broadcast catalogs are full of un-indexed videos. Without scene summaries, keywords, and on-screen text, no one can find what's in there or reuse it.

Many organizations manage unreleased shows, pre-release sports footage, executive communications, and other rights-sensitive content that cannot be sent to external AI service. Legal teams, contracts, and security policies will not allow for content to leave existing servers.

Adding a separate visual analysis platform introduces another license, another system to manage, another set of operators to train, and additional workflow complexity. Having one tool, with one vendor, can save the hassle of learning multiple tools that aren't streamlined or are piecemealed to try and work together.

The Solution: Visual Intelligence Built Into Your Workflow

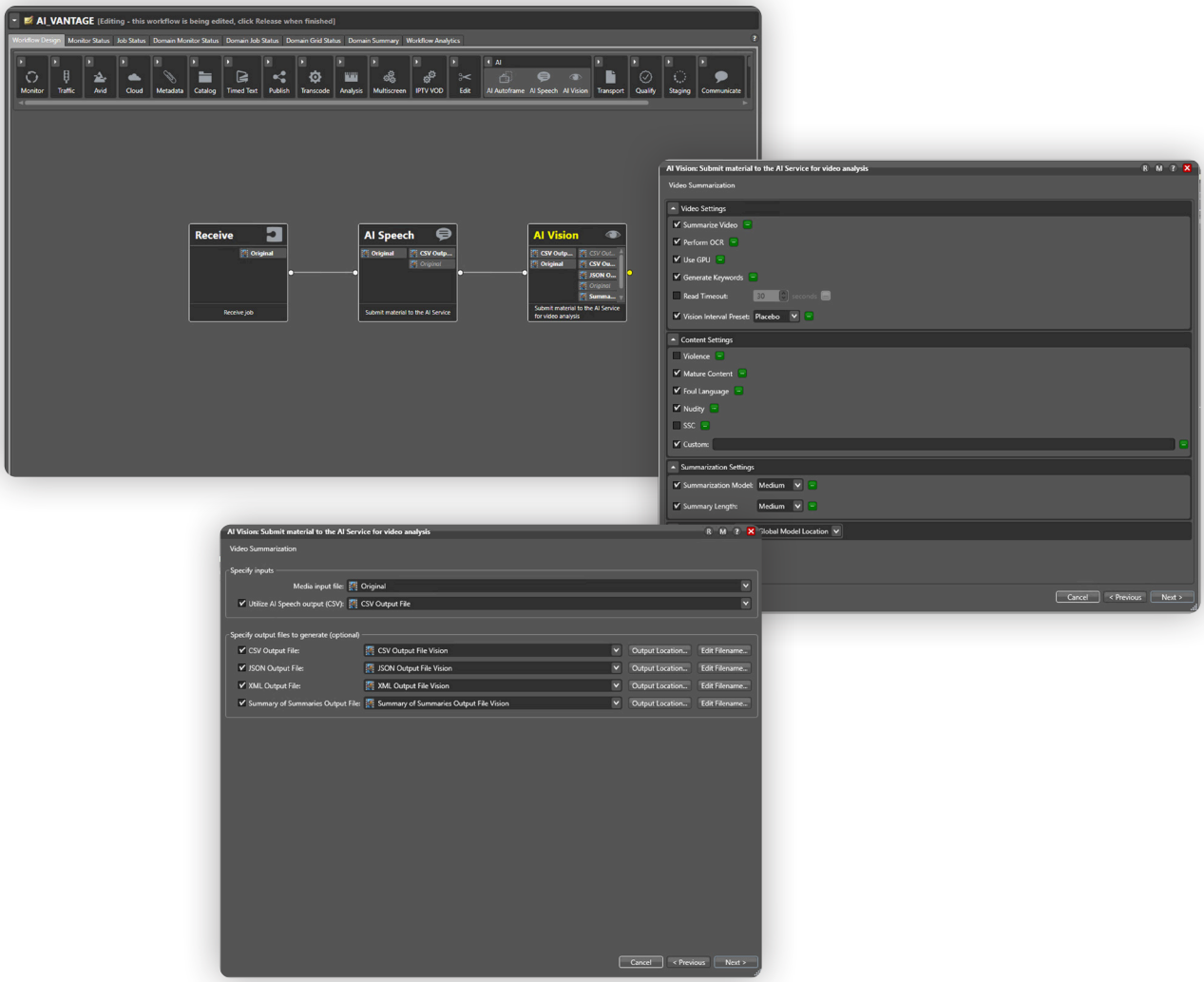
The Vantage AI Vision action is a native Vantage workflow step that produces structured, timecoded metadata from video content.

For every video, it identifies scene boundaries and classifies content across six categories (violence, language, mature, nudity, self-harm, and customizable category), assigning a confidence score on each result. It also reads any text in the picture, pulls out keywords for search, writes a short, medium, or long plain-English summary, and fingerprints each frame so you can later find scenes that look like a logo, location, or another clip.

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For editors, the flagged sections show up as markers (also known as Open Locators) directly on the timeline, so they review AI findings in Avid instead of opening a separate report. The same results also feed the next step in your Vantage workflow — sending files to the right place, packaging them for delivery, or holding anything that fails a compliance check.

Everything runs on your own servers, using your GPUs for the heavy lifting. If those servers have internet access, the Vantage AI Service downloads and updates the AI models on its own; if they don't (an air-gapped network), you point it at a shared folder with the model files and it loads them from there. AI Vision is licensed as part of Vantage AI and appears in the same workflow designer you already use for transcoding, captioning, and delivery.



Visual Intelligence for Searchable, Metadata-Driven Workflows

AI Vision transforms visual content into structured metadata that can be used for compliance, search, content discovery, and workflow automation. By automatically analyzing video content and generating actionable intelligence, organizations can reduce manual effort, improve content visibility, and streamline downstream media operations.

The benefits of AI Vision are:



Compliance Flagging
Six-category content classification runs on every asset that moves through Vantage, so the reviewers you already have can clear a backlog and keep new content checked as it lands, instead of spot-checking.



Find Key Moments Faster
AI Vision automatically identifies scenes and key moments, helping editors and content teams find relevant content faster. Structured metadata reduces manual searching and speeds content preparation.



Searchable Archives
Scene summaries, keyword tags, and the text the system reads off the screen, make old footage easy to find, so corporate training libraries, sports archives, and broadcast back-catalogs can be reused or relicensed



Keep Sensitive Content Under Your Control
Pre-released shows, talent likeness, sensitive corporate footage, and other rights-controlled material never leave the building. It works on your networks and with no internet access.



Predictable Economics
Running AI on your own GPUs replaces the per-frame fees a cloud service would charge. The same hardware processes today's libraries and tomorrow's live feeds.



Built into Existing Workflows
AI Vision sits next to transcode, package, and deliver in the same Vantage designer, on the same service, in the same screens your operators already use.

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Vantage AI Vision

Why Vantage AI?



AI capabilities are only valuable when they fit the realities of media operations. Many AI tools rely on disconnected cloud APIs, usage-based pricing, and workflows that require content to be exported, uploaded, processed externally, and returned — adding cost, delay, and operational complexity.

Vantage AI takes a different approach. Built natively into the Vantage workflow engine, Vantage AI brings practical, production-ready AI directly into media operations – securely, efficiently, and at scale.

Secure, On-Prem AI Processing
Content remains within your controlled media environment, enabling secure AI workflows for organizations that cannot send sensitive media to external cloud services.

Predictable, Session-Based Economics
Vantage AI is licensed by concurrent processing session — not per minute — so the cost to you is the same whether you process two minutes or two thousand hours.

Workflow-Native AI Automation
AI becomes a native part of automated media workflows rather than a disconnected manual process, enabling actions to trigger seamlessly as part of ingest, processing, compliance, and delivery pipelines.

Faster AI Execution
Eliminate the delays of exporting proxies, uploading files to third-party AI services, and waiting for responses. AI processing happens directly within operational workflows.

One AI Platform, Multiple Capabilities
AI Speech, AI Vision, AI Autoframe, and future AI actions operate within a unified Vantage AI framework (trusted by major news networks), simplifying deployment and scaling AI adoption across media operations.

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Learn more about AI Vision:
telestream.com/practical-ai



Ready to unlock the power of video content?
Contact us at telestream.com/contact-us

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