

THE HEARTBEAT OF VIDEO MANAGEMENT

The industry's most flexible, robust and scalable video orchestration solution for Live, VOD and LIVE2VOD.

Combining flexible deployment and management options, the Vualto CONTROL HUB (VCH) delivers video at scale for broadcasters and content owners

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THE INDUSTRY'S MOST FLEXIBLE VIDEO DELIVERY SOLUTION FROM THE STREAMING EXPERTS AT VUALTO.

Combined with our 24/7 support and integration services, VUALTO delivers the highest quality Live, VOD and Live2VOD streaming experiences, with significant cloud cost savings and affordable scalability.

DYNAMIC EVENT ORCHESTRATION & POP-UP CHANNELS

- Provision infrastructure just-in-time in your cloud or ours.
- Comprehensive event scheduler.
- Configurable infrastructure profiles based on event size.
- Incremental execution plans to support configuration changes.
- Deprovisioning based on flexible criteria.
- Preconfigured images for faster provisioning.

24/7 STREAMING

- Scalable and resilient 24/7 streaming.
- Mosaic monitoring.
- Comprehensive workflow management of live channels, from encoder and streaming server configuration to distribution.

DYNAMIC PLAYOUT PROFILES

- Create multiple encrypted layout profiles for the same stream, to target multiple devices.
- Track filtering (filter on bitrate, frame size, language, or track type).
- Apply different DRM settings depending on video quality (SD / HD/ 4K).

MULTI DRM

- DRM-provider agnostic API (pre-integrated with multiple DRM providers).
- CPIX support.

VOD STREAMING

- Supports complex VOD preparation and delivery workflows via the VOD Task Engine tool.
- Highly scalable, the Task Engine deals with the ingest, packaging and output of VOD, with call backs to client systems.

SCTE-35 SUPPORT

- Support for SCTE-35 and SSAI.
- SCTE inserter tool.

LIVE2VOD

- Make your live stream available for instant on-demand viewing or create VOD assets from live streams for longer term archiving.
- Support rolling buffers for flexible live2VOD delivery
- nPVR support.

METADATA DISCOVERY

- Manage and search rich metadata.
- Define custom properties and property workflows, and use time coded metadata for chapter points, EPG data and time coded workflows.

PLUGABLE ARCHITECTURE

- Deliver whole workflows or integrate with your system components to leverage existing investment.
- Highly pluggable architecture to allow use of third encoders, DRM and streaming servers.

STREAM MONITORING

- Monitor multiple player windows concurrently in the video mosaic monitoring screen.

SOCIAL MEDIA DISTRIBUTION

- Publish live streams and VOD clips to social media channels alongside traditional live and VOD distribution.

VIDEO EDITING

- Frame accurate clipping of live and VOD streams with our browser-based video editing tool.

CMS & API

- Intuitive user interface and easy to integrate REST API.

Live Streaming	<ul style="list-style-type: none"> Configure and manage channel & event-based streaming. Dashboard providing a single place to view and control live events. Schedule live events with auto start and auto publish capability. Stream output preview. Calendar-based EPG to find past and future streaming events. Start or stop offsets on live streams. Turn DRM on or off. Control DVR and archive length settings. Timecode metadata.
VOD Streaming	<ul style="list-style-type: none"> View status of all VOD assets via the VOD status pages. Create, edit metadata and create new custom metadata. Cross reference ID to external systems. Preview VOD assets with or without DRM encryption. Access embed code and streaming URLs. DRM with fast on/off switching.
Live2VOD Solutions	<ul style="list-style-type: none"> Live2Clip using frame accurate Clipping Tool to trim and clip VOD assets. Instant VOD for fragment accurate immediate VOD. Rolling Buffer for frame accurate instant archive of entire live stream. Captured VOD for frame accurate VOD stored in asset library.
Stream Health	<ul style="list-style-type: none"> Monitor multiple player windows concurrently. View comprehensive live stream monitoring dashboard showing encoder & origin status. Access all system logs providing complete audit trail with severity levels. Subscription based Webhooks for event metadata and state changes.
API	<ul style="list-style-type: none"> Client RESTful APIs and SDKs. Per user API keys and throttling. Webhooks.
Encoder Support	<ul style="list-style-type: none"> Integration with encoder APIs to orchestrate start, stop and set channel outputs. Supported encoders include: Media Excel Hero, AWS Elemental, ATEME, CEEBLUE & Harmonic.
CMS	<ul style="list-style-type: none"> Intuitive web interface. Comprehensive search functionality.
User Access Management	<ul style="list-style-type: none"> Full user and role-based management. Comprehensive permissions matrix. Logging and user-audit logging.
Languages	<ul style="list-style-type: none"> Support for multiple (32+) audio tracks and multiple language metadata. Support for multiple language subtitles and overlays. Supports accessibility WCAG 2.0.
CDN Distribution	<ul style="list-style-type: none"> Configure & manage multiple CDN providers. Add streaming URLs for each CDN. Ability to clear CDN cache.
Video Ingest	<ul style="list-style-type: none"> Ingest Tool for handling queues, schedules, job priorities. Control and manage the VOD ingest workflow including file based and Live2VOD. Ingest Capture from live or VOD stream.
Video Editing	<ul style="list-style-type: none"> Ad insertion server side (no ad blockers). Server-side playlists. Frame accurate clipping tool. Video asset stitching. Syndicate to social media. Thumbnail generation.
Social Media	<ul style="list-style-type: none"> Live stream to Facebook, YouTube, Twitter. Upload VOD assets to Facebook, YouTube and Twitter. Link and embed code sharing of clips from live or VOD. Download for offline playback.
Plugins & Integrations	<ul style="list-style-type: none"> VUDRM. Third Party DRM integration. Analytics. Players (Bitmovin, JW Player, THEOPlayer, Radiant Media Player, YouTube, Shaka, hls.js, Dash.js). OTT platforms (JW Platform, Comcast, Brightcove).
Streaming Servers	<ul style="list-style-type: none"> Unified Streaming & Edgeware.
VODasLive	<ul style="list-style-type: none"> Create live channels from VOD assets using the LiveCompose feature.