

LTN Live Video Cloud datasheet

Cloud control for Live Video: technical specs & FAQs

A brief technical note

LTN Live Video Cloud is a software service providing our customers better scale, agility, reliability and revenue leverage for ingesting, managing, and distributing live video feeds. Live Video Cloud utilizes the latest cloud technology, a highly experienced team and a 24/7 support center (NOC) to ensure our customers have reliable, agile, and profitable content aggregation, and distribution experiences.

The LTN Live Video Cloud service is also designed to be compatible and expandable with other industry-standard workflows, and hardware. LTN Live Video Cloud is complemented by LTN Global's range of services and solutions. Please speak with a solution architect for any questions about LTN Live Video Cloud or other LTN Global services.

LTN Live Video Cloud specifications

The following are specifications for the LTN Live Video Cloud. This service combines ingesting an infinite number of live video feeds, managing the broadcasting, and distributing the final program to linear and digital destinations.

Ingest live video feeds globally	LTN Live Video Cloud leverages the multi-geographical live source ingest, ensuring low-latency and reliable content delivery
Live ingest formats	SRT, RTMP push, WebRTC, H.264, AAC
Monitor live feeds	Multi-view with live, low latency, and thumbnail mode view. Monitor up to 48 feeds at once. Possibility to monitor connection health.
Automatic recording	Automatic recording of all ingested signals, access on-going recordings, and trim the content for transfer and download
Distribute assets	Connect live signals to unlimited outputs with low-latency passthrough. Multi-bitrate transcoding and fixed buffer option for all outputs.
Output formats	Push Targets: RTMP, FTL, SRT. Pull Locations: RTMP, MPEG-TS, HLS.
Manage teams	Role-based access control for users. System usage provides information on the platform's usage related to a certain customer or team.

LTN Live Video Cloud overall specifications

The following overview specifications are provided for the LTN Live Video Cloud service. LTN Live Video Cloud operates on a highly secure ingest network, allowing a seamless live video workflow from ingestion to monitoring, and distributing.

- globally spread ingest network for reliable content acquisition
- browser-based control accessible from anywhere
- receive live signals from mobile apps/browsers, pro-cameras, encoders, or drones
- monitor any amount of signals in a continuous playback multi-view with up to 48 inputs on one page
- route ingested signals via passthrough or multi-bitrate transcoding

LTN Live Video Cloud: ingest methods

Core methods available for ingesting an unlimited number of concurrent live signals from pro-cameras/encoders, mobiles, and online sources around the globe.

SRT	Via capable hard-, software, and services (Listener)
RTMP Push	Via capable hard-, software, and services (port 1935)
WebRTC	Via capable mobile and desktop browsers (IFB/Return Channel to connected WebRTC clients via UDP)
H.264, AAC	Level 3.x to 4.0, higher levels are experimental, up to 1080p60

LTN Live Video Cloud: recording, curation & control

Automatic recordings of ingested live signals. Visual and metadata supported content curation for easy, and fast decision-making.

Recording of live signals	Automatic recording of all ingested signals. Contain the assets as MPEG-TS (.ts) using ingest format. Filter recordings/assets by user, date, and format. Unlimited concurrent recordings, new asset every 8h.
Access on-going recordings	Recordings (growing files) are accessible for screening, transfer, and download from the first minute
Trim assets for transfer and download	Cut based on video segments, actual in- and out-points may differ up to 10s from selection, download via HTTPS, transfer via FTP
Continuous playback multi-view	With up to 48 live signals per page and unlimited pages, zoom levels for 1, 4, 12, 24, 36 and 48 signals, decoding limit for continuous playback: 12 x 720p60 per tile. Filter live signals by production, user, and input.

Connection health	Low latency delivery via passthrough. Monitor signal bitrate and framerate.
Thumbnail previews	Thumbnail previews are updated in ~10s intervals
Geo-location	Explore content on a map view

LTN Live Video Cloud: output formats

Distribute live signals simultaneously to unlimited destinations online and to broadcast systems.

Multi-bitrate transcoding	Up to 3 qualities per transcoded output, H.264, 0.1 to 20 Mbit/s, 240p, 360p, 480p, 720p, 1080p with 25, 30, 50, 60 fps, AAC, 32 to 320 kbit/s
Push targets: RTMP, FTL, SRT	Up to 10 destinations, including quality selection per destination for multi-bitrate outputs, incl. RTMPS, SRT-mode: caller
Pull locations: RTMP, MPEG-TS, HLS	RTMP via port 1935, MPEG-TS via TCP port 7777, Apple HLS via HTTPS port 443, connection cap depending on required signal bandwidth
Static overlay	Configurable per transcoding quality via image upload

Access & management

Use the system wherever you are and manage productions, users, and accounts.

User roles	Divide your team into manager, editor, and contributor
System usage	A view accessible for team managers providing close to real-time information on the platform's usage related to a certain customer or team
OAuth connections for social	Manage accounts on Facebook, YouTube/Google, Twitch, and Mixer via OAuth connections without sharing credentials
Transfer targets	Configure asset transfer destinations while keeping your credentials secure and avoiding complicated workflows
Access from anywhere	Recommended: Google Chrome, 10 Mbit/s, via HTTPS, viewport of 1440 x 600 px or higher

About LTN Global

LTN Global is a worldwide leader in media technology and managed video services. We operate the world's fastest and most reliable video network and have integrated live production, digital streaming and linear channel metadata solutions into a unique offer that simplifies and enriches the content value chain.