Constellation Cloud℠

Comprehensive Cloud-Hosted Service for Health & Status Monitoring, Logging, Recording and QoS

Matches + Exceeds the Capabilities of Turnkey or VM Compliance Monitoring Solutions

Rich and extensive suite of features including:

Scalable Inputs

24/7 Monitoring and Logging

24/7 Proxy Capture

Local Multiviewer/Video Wall

Remote Access via Web or Mobile App

User Configurable Alerts and Alarms

Email, Text and SNMP Alerts

Microsoft Teams, WebEx Teams, Slack,

Teams Integration

Transcoding

Live Stream Editing

Ratings Integration

Live Keyword Alert

Social Media Integration

Ratings Integration

Add Channels & Monitor Points Anywhere

Add, Change or Drop Channels with Ease

Highly Scalable Storage

Scheduled & On-Demand Reports

Extensive Security, Collaboration & Administration Tools

Comprehensive cloud-hosted service for monitoring, logging, recording and analyzing channels or streams in all markets of interest.

Compliance Monitoring & Logging
Monitor TS parameters per ETSI TR101.290 and ATSC A/78, with 24x7 monitoring and logging of Loudness/LKFS per ATSC A/85 CALM Act, 24x7 monitoring and logging of 608 and 708 closed captioning, PSIP logging and loss of PSIP detection, black screen detection, loss of audio detection, static image and ratings watermark detection and SCTE 104/35 detection, decoding, and logging with configurable alarms and thresholds on each parameter within each stream.

Incisive, Timely Insights
Constellation Cloud℠ provides complete, accurate, current and actionable insights into the Health & Status of the audio, video and metadata of all streams of interest, located anywhere.

Capture, Transcode & Record
Fully selectable proxy configuration including resolution and bitrate. Each stream is transcoded into a low res proxy for easy playback, review, segmenting, and download through a web browser.

Live Editor Workflow
Create clips in real-time from live broadcasts. HTML5 compliance means this can be done from anywhere with any web browser without the need to download and install any plugins.

Multiple Input Types
Baseband (SDI, HD-SDI, UHD, Composite, HDMI) to TS (ASI, DVB, ATSC 1.0, ATSC 3.0) to IP (UDP, IGMPv3, SMPTE 2022, SMPTE 2110) to OTT (HLS, MPEG-DASH, vMVPD capture)

Multiple Video Formats
HLS, SRT, Zixi, MPEG-DASH, MPEG2, H.264, H.265

Extensive Suite of Cloud Multiviewers
Constellation Cloud℠ includes a series of multiviewers including penalty-box, video wall, low latency, channel/stream cycling multiviewers, dynamic grouping & hybrid multiviewers, SRT multiviewer, multiple browser-based HLS multiviewing options and mobile multiviewer apps.

Monitoring with Customizable Exception-Thresholds
Configure thresholds for audio amplitude levels, audio LKFS values, closed captioning, MPEG data, black frames, static image, PSIP data, SCTE 104/35 and Nielsen data.

Automatic Alerts
Automatically send alerts via email, SMS text, SNMP traps or notifications using collaboration tools like MS Teams, WebEx Teams, Slack, or WhatsApp when monitored parameters exceed thresholds.

Live Clip & Export
Intuitive editor to find, clip and export content. Overlay important metadata such as the date and time aired, closed captioning, program name, or custom text. Share content using email, OneDrive, or shareable links. Construct multi ad clips, add bumpers, slates and inter clip effects such as fade in/out and crossfades.

Comprehensive Searchable Database
Easily searchable Postgres cloud database to recall logs, alerts, alarms, Closed Captioning text, loudness measurements, PSIP, ratings information, annotations, indexes, SCTE & ad trigger data, TS and stream buffer data, etc. Search by channel, date, time, program name, parameter, and keyword.

Social Media Integration
Upload videos and metadata directly to Station or Individual accounts for Facebook, Twitter, YouTube and other Social Media platforms. Live stream to Facebook and YouTube is optionally available.

Alerts and Reports
Constellation Cloud℠ provides comprehensive and up-to-the-minute scheduled and on-demand reports… and issues instant alert when an exception condition is occurring anywhere in the client's monitored universe.

Unique Flexibility and Agility
Constellation Cloud℠'s cloud architecture gives clients the flexibility to add, change or remove monitored channels, streams, locations, input types, video formats, recording resolutions and durations quickly, easily and inexpensively.

Unique, Compelling Economics
Constellation Cloud℠ provides compelling economics eliminating the process, delays and challenges of installing equipment, and the risk of expense commitments or stranded capital investment.

Integrated Administration, Collaboration & Security Utilities
Constellation Cloud℠ integrates alerting, messaging and collaboration capabilities such as email, text messaging, SMTP, Mircosoft Teams, Slack, WebEx, administration features like ActiveDirectory and OKTA, and standard account and cloud Security protocols.

Alarming Channels ⓘ Reset All

KGTV OTT Uplynk 416
ETSI
Occurred: 4/6/2023 10:24:30 PM

KDFW OTT Anvato 640
CC708 CL608
Occurred: 4/6/2023 2:40:35 PM

WCPO OTT Uplynk 416
ETSI
Occurred: 4/6/2023 10:24:31 PM

WEWS OTT Uplynk 640
ETSI
Occurred: 4/6/2023 10:24:14 PM

KGTV OTT Uplynk 640
ETSI
Occurred: 4/6/2023 10:24:40 PM

WCPO OTT Uplynk 640

Alarm Status ⓘ Tags

E Has ETSI Alarm   ● Alarming   ● Has Alarm History   ● No Alarms

Fox Channels
CHANNELS 21
ALARMING 3
HISTORY 3
NONE 15
E

KCPQ Distribution Points
CHANNELS 4
HISTORY 1
NONE 3

Fox Anvato
CHANNELS 16
ALARMING 1
HISTORY 2
NONE 13

Scripps Uplynk
CHANNELS 13
ALARMING 6
NONE 7
E

Uplynk Encoder 1
CHANNELS 6
ALARMING 6
E

Uplynk Encoder 2
CHANNELS 4
NONE 4

Gray Stations
CHANNELS 5
HISTORY 2
NONE 3

Gray Samsung TV
CHANNELS 4
HISTORY 2
NONE 2

Gray Roku
CHANNELS 1
NONE 1

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1 user(s) online   0:59:40   velaresearch

Cowboy Way 960   04/06/2023 6:00:00 AM

Main ▾   Captions ▾   Events ▾   Measurements ▾   Watermarks ▾   SCRUB MODE   Switch To Live

WHO WILL RIDE ON AND WHO WILL
BE SENT HOME

4/6/2023 05:59:45 AM   4/6 6:00:35 AM   04/06/2023 07:00:06 AM

Set Mark In   Set Mark Out   01:00:00:00

Loudness
LKFS 1

Show Graph   TXT   CSV   Excel   PDF   Print

Show 100 entries

Time	Instant	Average	True Peak	User Average
04/06/2023 06:00:00 AM	-22.52	-22.27	-0.47	-26.84
04/06/2023 06:00:01 AM	-23.21	-22.34	-0.47	-26.51
04/06/2023 06:00:02 AM	-22.44	-22.64	-0.47	-26.33
04/06/2023 06:00:03 AM	-22.67	-23	-0.47	-26.11
04/06/2023 06:00:04 AM	-22.02	-22.63	-0.47	-25.84
04/06/2023 06:00:05 AM	-22.09	-22.42	-0.47	-25.58
04/06/2023 06:00:06 AM	-23.98	-22.49	-0.47	-25.37
04/06/2023 06:00:07 AM	-22.52	-22.95	-0.47	-25.16
04/06/2023 06:00:08 AM	-22.82	-23.09	-0.47	-24.86
04/06/2023 06:00:09 AM	-21.2	-22.36	-0.47	-24.66
04/06/2023 06:00:10 AM	-21.93	-21.7	-0.47	-24.53
04/06/2023 06:00:11 AM	-21.47	-21.73	-0.47	-24.38
04/06/2023 06:00:12 AM	-16.48	-20.62	-0.47	-24.2

Loudness Graph   LKFS 1   User Average   Show All Data   -26   -22

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1 user(s) online   0:59:40   velaresearch

Cowboy Way 960   04/06/2023 6:00:00 AM

SCTE 35 - Cowboy Way 960   04/06/2023 06:54:18 AM

Sorted View   Table View   Raw JSON

Copy To Clipboard   Download

{
  "vela_time_found": "2023_04_06_06_54_18",
  "vela_pcr_27mhz": 0,
  "vela_program_number": 1,
  "vela_scte35_tspid_origin": 0,
  "vela_scte35_msg_origin": "HLS_MANIFEST",
  "vela_base64_msg": "/DAlAAAAAyiYAP/wFAUAAE4if+/+IScEQv4ApMt/AAEiIgAAlxl
  "valid_crc": true,
  "splice_info_section": {
    "table_id": 252,
    "protocol_version": 0,
    "encrypted_packet": false,
    "encryption_algorithm": 0,
    "pts_adjustment": 207000,
    "cw_index": 0,
    "tier": 4095,
    "splice_command_length": 20,
    "splice_command_type": "splice_insert",
    "splice_insert": {
      "splice_event_id": 20002,
      "splice_event_cancel_indicator": false,
      "out_of_network_indicator": true,
      "program_splice_flag": true,
      "duration_flag": true,
      "splice_immediate_flag": false,
      "time_specified_flag": true,
      "pts_time": 597009586,
      "auto_return": true,
      "duration_seconds": 119,
      "unique_program_id": 1,
      "avail_num": 34,
      "avails_expected": 34,
      "splice_event_source": 0,
      "splice_event_number": 20002
    },
    "descriptor_loop_length": 0,
    "splice_descriptors": []
}

SCTE 35
Show 10 entries   CSV   Excel   PDF   Print

Image	Date	Command	Out Of Network	PID	Data
	4/6/2023 6:56:14 AM	INSERT	False	0	View Data
	4/6/2023 6:54:18 AM	INSERT	True	0	View Data
	4/6/2023 6:49:45 AM	INSERT	False	0	View Data
	4/6/2023 6:47:50 AM	INSERT	True	0	View Data
	4/6/2023 6:41:57 AM	INSERT	False	0	View Data
	4/6/2023 6:40:02 AM	INSERT	True	0	View Data
	4/6/2023 6:32:44 AM	INSERT	False	0	View Data

Showing 1 to 10 of 12 entries   Previous 1 2 Next

Audio 1   All Channels   Normal

SCTE 35 Graph   Commands