

# C21 Live Monitor

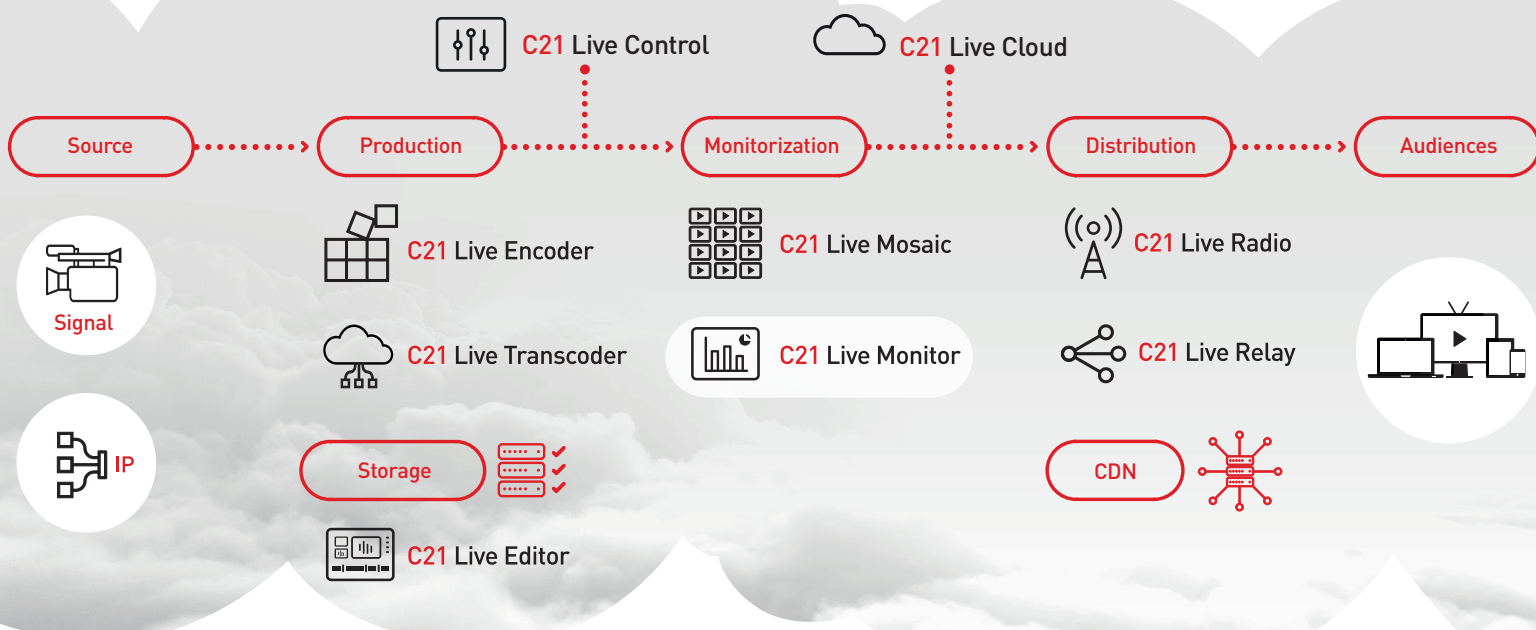
C21 Live Monitor is an unattended software tool for monitoring and supervising audio & video streams

## Description

C21 Live Monitor is an unattended software tool for the monitoring and supervision of audio and video streams. It features mechanisms to establish alerts and protocol

analysis, which ensures the correct broadcast of critical contents. The system can be used both in IPTV private networks as well as in streaming protocols environments.

### C21 Live Workflow



## Benefits

- High monitoring capacity**  
 The system can monitor simultaneously up to 50 streaming signals.
- Ability to monitoring the most commonly used codecs and IP formats in the market**  
 Each video or audio signal controlled by C21 Live Monitor has a completely independent monitoring configuration, thus making it a fully adaptable product for the OTT and OVP markets.
- Unattended monitoring**  
 Through notifications (SNMP, email, call to a remote web service) thus ensuring the remote detection of quality loss.
- Intuitive web management, API and SNMP**  
 Minimizes the efforts needed to manage, monitor and integrate with third-party systems.
- Integration with C21 Live Cloud services**  
 Opening a new range of possibilities for remote supervision.
- Diversity in the operating model**  
 Based on the C21 Live Cloud, SaaS service or appliance it ensures an easy fit in any business model.

# C21 Live Monitor

## Features



**Alerts.** Identifying and notifying (SNMP, email, audio, visual, call to a remote web service) various types of errors which might appear in the monitored content (loss of audio or video signals, black screen or freeze, silence).



**Monitoring.** The system can be monitored via SNMP, and notify via traps of any anomaly detected.



**Logs and statistics in real-time.** The statistics and log history allows us to record and review the alarms stored in the system.



**Managing API.** Remote interface management via simple and well documented API for remote system management and configuration, as well as integration with third-party elements.



**Backup.** The system configurations management allows a quick recovery or creation of new setups.



**Remote Support.** C21 Live Monitor offers the option of remote access without the need to open entry ports into the security framework that protect the user platform.

## Specifications

<b>HARDWARE</b>	Based on Intel CPU Core.
<b>SOFTWARE</b>	Linux based.
<b>VOD CONTENT ACQUISITION</b>	MPG, Adobe F4V, MP4, TS, MOV, MKV.
<b>REMOTE STREAMS ACQUISITION</b>	MPTS and SPTS over UDP, RTP, HTTP, and UDPR, MMS, Adobe RTMP, Apple HLS, Adobe HDS, MPEG2TS
<b>VIDEO CODECS</b>	HEVC /H.265, AVC / H.264, MPEG4, MPEG2, MPEG1, H.263, WebM, Ogg, Theora, RealVideo 3/4, WMV, VP5/6/7, Sorenson, Flash Video.
<b>AUDIO CODECS</b>	AAC, AAC+, AC3, MP3, MPEG1 Layer 2, AMR, RealAudio, WMA, Vorbis.
<b>CONTINUOUS INFORMATION OF THE MONITORED CONTENT</b>	Audio and video bitrates, codecs, fps, channels and sample rate.
<b>AUTOMATIC IPTV CHANNEL DETECTION</b>	SAP/SDP.
<b>ALERTS</b>	Loss of stream, audio or video, frozen or black video, silence.
<b>ALERT NOTIFICATION VIA</b>	Logs, e-mail, web service and SNMP traps.
<b>WEB INTERFACE</b>	Multilingual and multiuser
<b>MANAGEMENT</b>	WEB Interface, API JSON Restful, C21 Live Control, NTP.
<b>MONITORING</b>	SNMP, WEB Interface, API JSON Restful, performance charts, C21 Live Control.
<b>OTHER SPECIFICATION</b>	Storage of configuration profiles