

# ACTUS

Broadcast recording,  
compliance logging and  
clips generation for OTT  
and social



Record and View



Clip Factory



Rating Analyzer



ChangeTracker



AdWatch



Loudness



Mosaic and Alert Center

All In  
One  
Platform

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# Actus Record and View

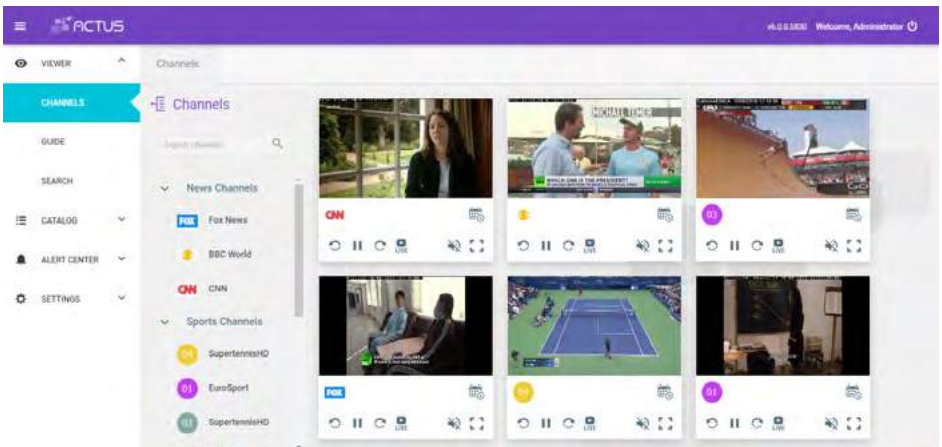
## Broadcast Recording and monitoring platform

- Record TV, Radio and Internet, 24x7
- Access live and recorded broadcast from any device
- Monitor multiple channels
- Comply with regulations: Closed Captions, Loudness monitoring, Multiple subtitles, Audio tracks, Teletext, EPG, As Run Log Files
- Create and export clips, in any format
- Use Actus smart Player for streaming and easy navigation
- Fully web based

### Why?

- To comply with regulations
- To work with cross organization shared Intelligent media platform
- To monitor the competition
- To verify the quality of the content
- To easily share content

Multiple video players: Live, Archived, any combination





# Actus Clip Factory

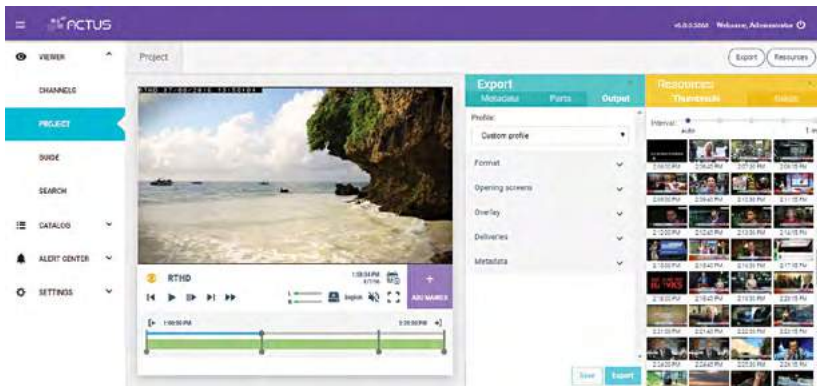
## Rule based automatic clips creation for OTT, Social

- Near Live Clips creation
- Fast workflow for content distribution to different platforms
- Full HD, frame accurate clips, advanced cut-to-cut editing system
- Ingest your own files, not only recorded media
- Transcode to any format, resolution and bitrate
- Fully automated, semi automated, manual
- Export to Catalog, FTP, YouTube, Facebook, Twitter; send via mail, save as file, etc
- Export the clip with the metadata, closed caption, subtitles or audio track
- Multiple segments clips creation
- Ads removal



### Why?

- To use one stop shop to deliver content to linear and digital platforms
- To speed up the clip creation process and delivery
- To speed up clips creation and delivery
- For higher frame accuracy than manual editing
- For easy content sharing
- To remove ads from programs



Clips creation, editing, metadata and export



# Actus AdWatch

## Automatic Ads detection

- Automatic detection of Ads, promos, commercial spots or any content
- Detection of new "Unknown" Ads
- Create affidavit and compliance with visual proofing
- Detection by audio or video fingerprinting
- High accuracy detection
- Powerful Report Generator –build your own report: per channel, spot, brand, campaign, etc

### Why?

- To create Affidavit for the traffic departments
- To compare ads versus competitors
- To analyze the income of my channels versus my competition
- To reduce operational cost
- To track unauthorized use of licensed content

The screenshot displays the Actus AdWatch software interface. On the left, there is a table with columns for Time, Marker, Channel, Publishing, Approval Status, and Comments. The table lists various detected ads with their respective details. On the right, there is a video player showing a video frame with a person, and below it, a grid of smaller video thumbnails. At the bottom right, there are controls for the video player, including a play button and a volume icon.

Time	Marker	Channel	Publishing	Approval Status	Comments
15/10/2014 0:27:37 AM	Public	Travis 24	Live	None	
15/10/2014 0:30:45 AM	Public	Travis 24	Live	None	
15/10/2014 1:10:01 AM	Public	Travis 24	Live	None	
15/10/2014 1:57:00 AM	Public	Travis 24	Medium	None	
15/10/2014 2:21:36 AM	Public	Travis 24	Live	None	
15/10/2014 3:21:11 AM	Public	Travis 24	Live	None	
15/10/2014 3:27:28 AM	Public	Travis 24	Live	None	
15/10/2014 4:01:20 AM	Public	Travis 24	Live	None	
15/10/2014 5:10:16 AM	Public	Travis 24	Medium	None	
15/10/2014 5:25:54 AM	Public	Travis 24	Live	None	
15/10/2014 5:26:32 AM	Public	Travis 24	Medium	None	
15/10/2014 5:33:46 AM	Public	Travis 24	High	None	
15/10/2014 5:36:40 AM	Public	Travis 24	Live	None	
15/10/2014 5:37:17 AM	Public	Travis 24	Live	None	
15/10/2014 6:09:17 AM	Public	Travis 24	Live	None	
15/10/2014 6:17:16 AM	Public	Travis 24	Live	None	
15/10/2014 6:26:39 AM	Public	Travis 24	High	Approved	
15/10/2014 6:28:11 AM	Public	Travis 24	High	Approved	
15/10/2014 12:44:12 AM	Public	Travis 24	High	Approved	
15/10/2014 12:56:16 AM	Public	Travis 24	High	None	
15/10/2014 11:56:39 PM	Public	Travis 24	Live	None	

Build the report any way you need



# Actus Rating Analyzer

## Audience Rating and competitive Analysis

- Import any audience measurement file format
- Display my rating and the competitor's rating (number of viewers)
- Show the content running on each of the TV channels, in sync
- Compare the change in the graph to the actual program aired at that time
- Capability to zoom on any specific demographic group
- User selectable dates, time, channels, or demographics
- Easy comparison of your and your competitors' rating
- Fully interactive and effective analysis

### Why?

- To understand which content causes a drop in the viewership
- For more effective and integrated analysis: data, graphs and video, all on the same screen
- Easily share critical information, data and video, with management, program planners and advertisers



Graphical presentation of the rating together with the video



## Actus ChangeTracker

### Compare between two video streams

- Ability to compare two linear feeds, like a primary channel and an affiliate channel
- Automatic detection of any variation or modification in the secondary feed
- Automatic notifications on all the locations in the streams that were modified



## Actus Loudness

### Detection of Loudness Violations

- Continuously logs the loudness levels of all channels and all audio tracks
- Logs M, S and I values in LKFS/LUFS, as well as True Peak and Range
- Presents Loudness data on the screen, in tables, or as burned overlay in video export
- Compatible with both USA and European regulation standards
- Alert Center option: Automatic Alerts in cases of Loudness violation



### Why?

- To ensure that all channels are aired exactly as planned and without program or Ads modifications
- To obtain timely reports on any such modification
- To process large number of channels automatically, fast, accurately, saving manual work

### Why?

- To obtain alerts on Loudness violations
- To follow FCC Loudness monitoring recommendations
- To obtain measurement as per ITU recommendation BS.1770-1 and BS.1770-2 standard
- To be compliant with US CALM Act, ATSC A/85 Practice, and EBU R128 3341 PLOUD



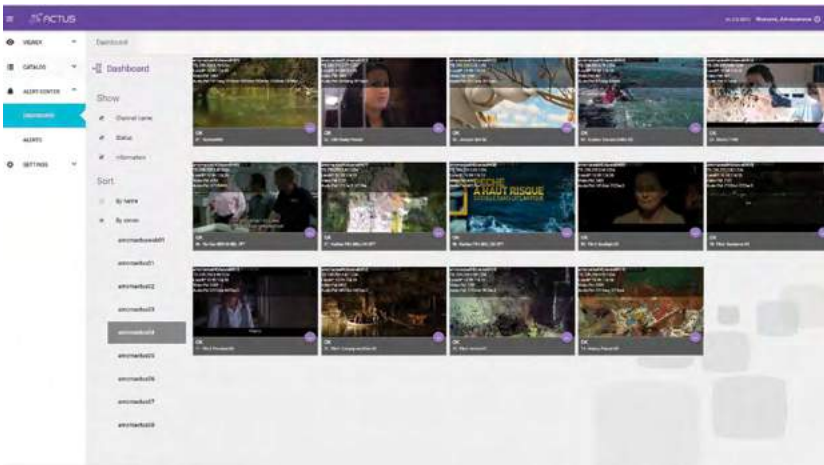
# Actus Mosaic and Alert Center

## Multi-wall display with TS Analysis

- Continuously performs quality checks on recorded channels
- Issues real-time alerts on broadcast errors and logs all occurrences: no audio, no video, frozen image, black screen, missing PID, missing table, missing service, etc
- Alerts via: Email, SMS, on the screen or SNMP
- Unlimited number of display monitors (screens)
- Unlimited number of layouts, using an intuitive building tool, with video, clocks, images
- Dozens of TV signals per monitor screen
- The real-time mosaic can display multiple services received from multiple Transport Streams
- Accept MPEG-2/AVC/HEVC Video, MPEG, AAC and Dolby® Audio, Teletext, DVB Subtitles
- DeepAnalyzer for detailed analysis of Services and Data in the feed

### Why?

- To detect and solve audio/video failures immediately
- To assure high broadcast quality
- To allow detailed analysis of TS issues



Multiple  
Transport  
Stream  
Multiviewer

# Actus Media Monitoring Platform Overview:

Broadcasters are facing more and more challenges: to comply with regulatory obligations, to distribute content to multiple digital and social platforms, to compete with competitive channels and increase ads revenues.

Actus Media Intelligence Platform was designed to provide a cross organization workflow, available to simultaneous users from anywhere any time:

Record and monitor all your media as well as your competitors'

Publish your content to web and social media

**Actus View** - Monitor your media and competitors', comply with regulatory requirements

**Actus Clip Factory** - Publish your content to web, OTT and social media

**Actus Rating Analyzer** - Rating and competition analysis

**Actus Mosaic and Alert Center** - Monitor broadcast quality, real time alerts

**Actus Adwatch** - Automatic ads detection and reports, ads verification

**Actus Loudness** - Comply with Loudness monitoring recommendations

**Actus Change Tracker** - Ensure that all channels are aired as planned

## About Actus Digital

Actus Digital is a leading provider of web-based, broadcast monitoring, solutions for broadcasters, networks, cable and satellite operators, IPTV, media agencies, governments and content producers worldwide.

Actus systems are deployed worldwide by hundreds of high end customers in 5 continents.

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