

ETERE Radio Live

New IP Radio automation



Project Basics

- IP only , no SDI cables
- Totally client server/ redundant
- Capable of main and backup
- Multiple client connected
- Capable of using Dante Virtual cards for digital audio
- Use MS SQL server for database
- Rights and approval system
- Users rights connected to Active Directory

Designed for the Best

- Client server architecture
- Fully redundant
- Native IP
- Full preview of visual effects
- Support any video standard
- User rights management for large stations
- Can grow up to hundreds of channels
- Based on customizable workflows
- Integrated traffic system

Key Features

Flexible Scheduling

- Advertisement planning, scheduling and management
- Manage scheduling for external devices
- Customisable time marker
- Pre-set complete daily schedule
- Manage live commercial scheduling
- Set planning criteria for specific timetable
- Option for manual editing of schedule advertising
- Music selection based on customisable criteria

Advanced Capabilities

- Integrate audio mixers
- Integrate Microphone control
- External device audio analog/digital (Dante)
- Connect with audio signals for automatic camera activation

Integrated System

Part of MAM

- Organise media and metadata
- For administrative and security tools

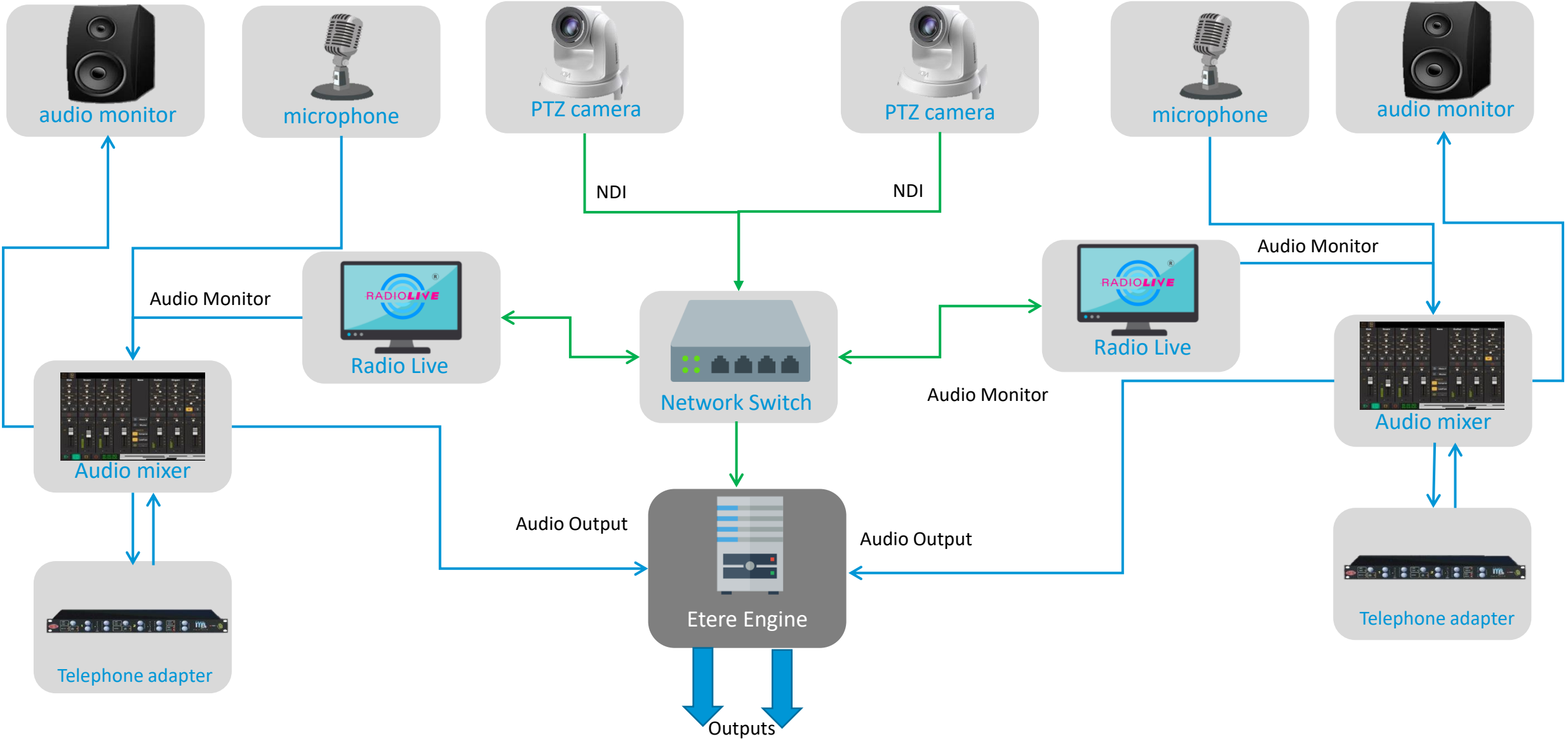
Automatic Video Switching

- Automatically switch cameras to focus on whoever is speaking
- Voice detected camera operation

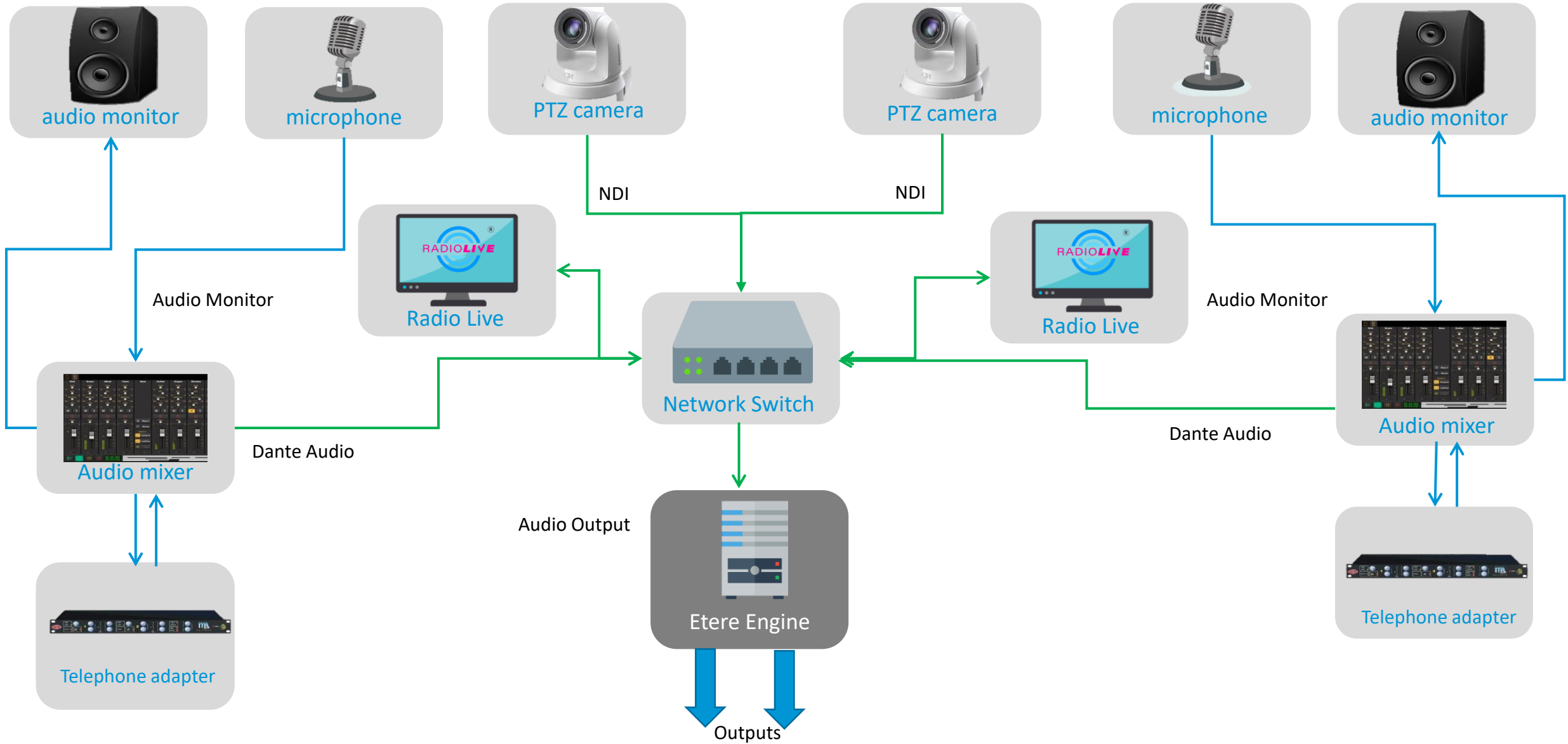
IP video management using NDI

- NDI allows your work to seamlessly integrate itself over platforms and applications

Multiple Studio Analog Mixer



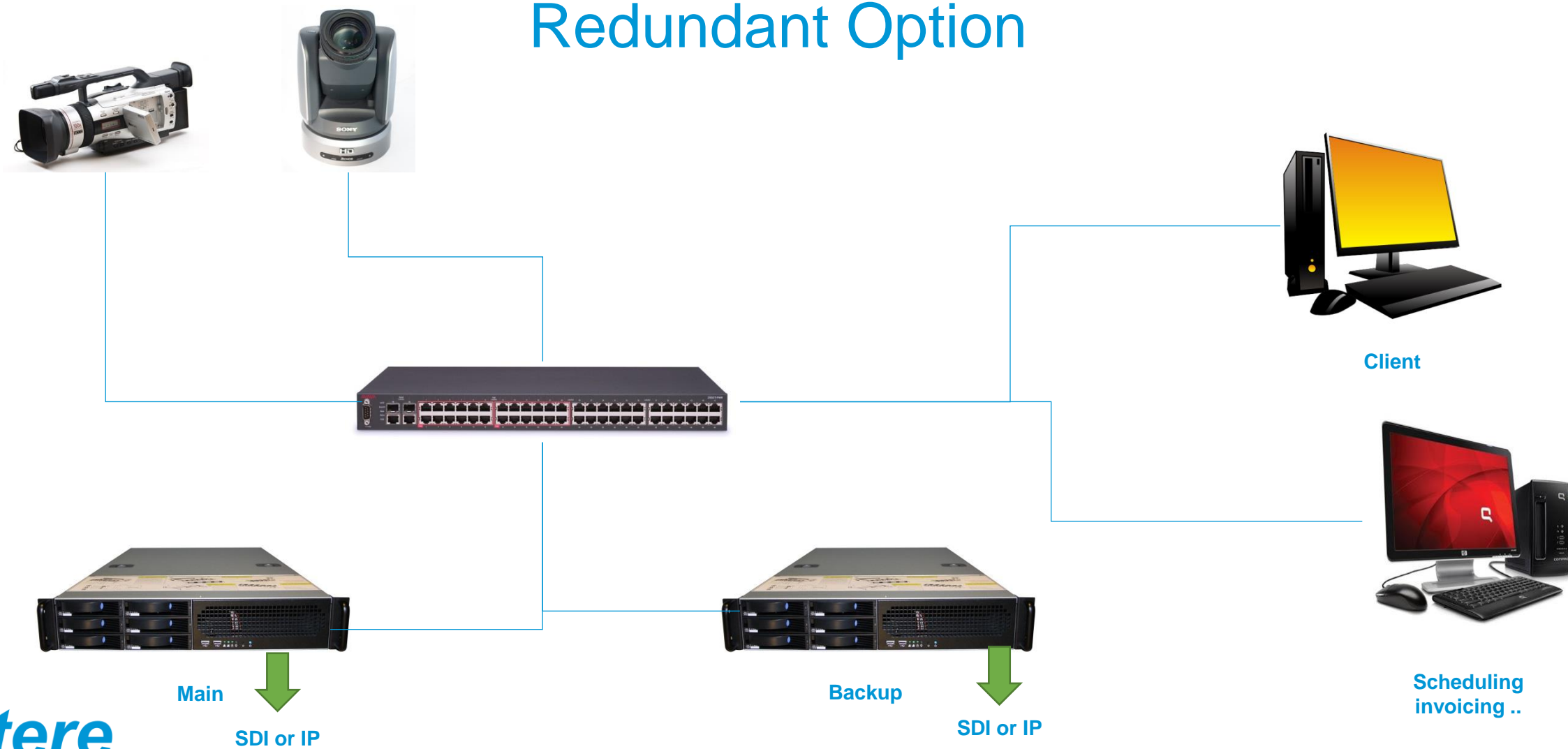
Multiple Studio Digital Mixer



Etere Engine

- Server application
- Connected to multiple transmission suites
- Can be redundant
- Output
 - SDI with embedded audio
 - Analog audio
 - Digital Audio
 - Dante IP/Audio

Redundant Option



Scalable

- 3 possible size packages
- Highly adaptable
- A size for any broadcaster, big or small
- Time zone clock ready for synchronisation



Some GUI

How Radio Live will be



Playout

- Make **live, instant changes**
- Schedule advertisements
 - customisable graphics
- flexible manipulation
 - media item playback
 - simultaneous previews
 - high degree of control over characteristics and specifications
- Surround sound 5.1/7.1 audio into HDTV broadcasts via analog, AES, AoIP, and MADI

Live preview

Main Playout

Full playlist

Multiviewer

The screenshot displays the Etere Radio Live software interface, which is divided into several sections:

- Live Preview:** Located at the top left, it shows a video feed of a man eating. The time is 21:39:38 on 30 July 2019. The current track is "COCACOLA_SENZA_CONFINI".
- Full Playlist:** Located at the top right, it lists the upcoming tracks in the playlist, including "BARILLA_CHATLINE", "COCACOLA_SENZA_CONFINI", "FIAT_500", "BARILLA_SPAGHETTI", "FIAT_FABIO_ROVAZZI", "BARILLA_TOKYO", "COCACOLA_ZERO", "FIAT_NUOVA_EDIZIONE", and "COCACOLA_STEVIA".
- Multiviewer:** Located at the bottom right, it shows a grid of video feeds. The top left feed shows a Disney castle, and the top right feed shows the same man eating as the live preview.
- On Air Schedule:** Located at the bottom left, it shows the current track and the next track in the schedule.

The interface also includes a "Position" section showing the current track's position in the playlist, a "Remaining" section showing the time left for the current track, and an "Intro/Outro" section showing the duration of the intro and outro.

Assets



Add songs

Interface

The screenshot displays the Etere - Radio Live software interface. On the left is a 'List' panel showing a playlist of songs. On the right is a 'New/Modify Song' panel for editing song details.

Playlist

Title	Artist	Genre	Album	Duration	Filename
Spaceman	The Martian Band	Space Rock	Once in a Blu	00:00:03:46	Spaceman.mp3
Dresscode	Ellie B	Alternate	Honey B	00:00:03:26	Dresscode.mp3
Noise	BTH	K-Pop	Noisy	00:00:02:46	Noise.mp3
Talk	Coldplay	Indie	X & Y	00:00:03:46	Talk.mp3
Starlight	Muse	Indie	Blackhole & R	00:00:05:00	Starlight.mp3
Nessun Dorma	Luciano Pavarotti	Opera	Opera at the	00:00:13:11	Nessun Dorma.mp3
Conte Partiro	Andrea Bocelli	Opera	One night in	00:00:08:26	Conte Partiro.mp3
Forrest	Gumpy Hanks	Electro	Run	00:00:03:50	Forrest.mp3
Can't See Me	Cena J	Techno	WEW	00:00:02:08	Can't See Me.mp3
Sound of Light	Tommy K	House	Universal A	00:00:02:55	Sound of Light.mp3
Music of World		Pop	Welcome to E	00:00:07:57	Music of World.mp3
Ave Maria	Schultz	Classical	101 Classical	00:00:03:19	Ave Maria.mp3
Canon in D	Schubert	Classical	101 Classical	00:00:03:20	Canon in D.mp3

New/Modify Song

Spaceman - The Martian Band

dBFS

0 -12 -18 -24 -30 -36 -42 -48 -54 -60

00:00:01.16 -10 Sec -1 Sec -1 Frame +1 Frame +10 Sec

Set Image

Inserted on: 25 May 2019
Modified on: 1 June 2019

Main

Code 231

Title Spaceman

Artist The Martian Band

Album Once in a Blue Moon

Composer XYZ Studio

Label

Year

National

Log Register

Scheduling

Category A

Sound Code Dance

Country United Kingdom

BPM 127

Texture In 0

Layer 1

Mood 2

Voice

Energy 2

Texture Out 0

Months Enabled

January February March April May June

July August September October November December

Hours Enabled

Additional Info

Properties

Secondary Events

Cancel Save

Images shown in playlist preview

Song details

Music Scheduling

- Schedule your music automatically or manually
- By attaching details to your saved songs, users can set parameters for automatic playlist making
- Create a station, design clocks, enter and code your songs automatically create a schedule using each song's natural demand
- Adjust your library to achieve desired rotations without complex settings
- Configurable architecture supports one or hundreds of stations or channels

Music Scheduling

The screenshot displays the Etere - Radio Live software interface. On the left is a 'List' of songs with columns for Title, Artist, Genre, Album, Duration, and Filename. The 'New/Modify Song' window on the right is configured for 'Spaceman - The Martian Band'. It includes a waveform, a dBFS level meter, and a 'Set Image' button. The 'Scheduling' section shows a calendar grid for 'Months Enabled' and 'Hours Enabled'. The 'Additional Info' section includes fields for 'Category', 'Sound Code', 'Country', 'BPM', 'Texture In', and 'Texture Out'. The 'Properties' section includes 'Layer', 'Mood', 'Voice', and 'Energy' settings. The 'Secondary Events' section includes an 'Automation' dropdown and a table for scheduling events.

Title	Artist	Genre	Album	Duration	Filename
Spaceman	The Martian Band	Space Rock	Once in a Blu	00:00:03:46	Spaceman.mp3
Dresscode	Ellie B	Alternate	Honey B	00:00:03:26	Dresscode.mp3
Noise	BTH	K-Pop	Noisy	00:00:02:46	Noise.mp3
Talk	Coldplay	Indie	X & Y	00:00:03:46	Talk.mp3
Starlight	Muse	Indie	Blackhole & R	00:00:05:00	Starlight.mp3
Nessun Dorma	Luciano Pavarotti	Opera	Opera at the	00:00:13:11	Nessun Dorma.mp3
Conte Partiro	Andrea Bocelli	Opera	One night in	00:00:08:26	Conte Partiro.mp3
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Can't See Me	Cena J	Techno	WEW	00:00:02:08	Can't See Me.mp3
Sound of Light	Tommy K	House	Universal A	00:00:02:55	Sound of Light.mp3
Music of World		Pop	Welcome to E	00:00:07:57	Music of World.mp3
Ave Maria	Schultz	Classical	101 Classical	00:00:03:19	Ave Maria.mp3
Canon		Classical	101 Classical	00:00:03:20	Canon in D.mp3

New/Modify Song
Spaceman - The Martian Band

dBFS: 0, -6, -12, -18, -24, -30, -36, -42, -48, -54, -60

Inserted on: 25 May 2019
Modified on: 1 June 2019

Time Extension: 00:00:00:00
Duration: 00:00:03:46

Main
Log Register
Scheduling

Category: A
Sound Code: Dance
Country: United Kingdom
BPM: 127
Texture In: 0
Texture Out: 0

Layer: 1
Mood: 2
Voice: [Dropdown]
Energy: 2

Months Enabled
Hours Enabled

Validity: [Dropdown]

Additional Info
Properties
Secondary Events

Automation: <Default>

Enable	Event Type	Item	Time Reference	Time Start	Time End

E.G.: High Rotation,
Low Rotation, Gold
or past hits

Music genre

Pick apt jingles for
the show

E.G.: For an
energetic playlist,
can specify that
70% of the tracks
must have an
"Energy" greater
than 3

When each song
is to be played

Period of validity
E.G.: A
Christmas song
runs from
December 8th to
January 6th

Graphics

- Radio Live allows you to overlay up to eight independent graphics layers
- Graphic layers can be active simultaneously, in every possible combination, with two cautions: the overlay order and the position of the graphic elements into each layer
- When operating in automatic mode, such layers are sent on the basis of the settings defined during the configuration
- Combinations can vary in real time depending on the type of event
- Graphics are prepared by standard tools as Adobe After Effects and are controlled with the integrated ETX Graphics module
- Graphics with variations to suit the user's needs
 - Still
 - Moving
 - Crawl

Graphics

Radio Live

ETX2 РЫЖИЙ

21:40:17 30 July 2019 Clone OFF OFFLINE

Position 00:00:05.03







Remaining 00:00:24.22

Intro Outro

COCACOLA_SENZA_CONFINI

Automatic ON Filler OFF

On Air Schedule

	COCACOLA_SENZA_CONFINI	Duration: 00:00:30:00 Scheduled: 00:00:00:00 Delay: C:\Radio_Live\CocaCola-mondo_senza_confini.mp4
	FIAT_500	Duration: 00:00:30:00 Scheduled: 00:00:00:00 Delay: C:\Radio_Live\Fiat-500 DolceVita - L'estate a bordo.mp4
	BARILLA_SPAGHETTI	Duration: 00:02:00:00 Scheduled: 00:00:00:00 Delay: C:\Radio_Live\Barilla-spaghetti_The Party with Roger Federer.mp4
	FIAT_FABIO_ROVAZZI	Duration: 00:00:30:20 Scheduled: 00:00:00:00 Delay: C:\Radio_Live\Fiat-Fabio Rovazzi MegaRottamazione Gamma Tipo.mp4
	BARILLA_TOKYO	Duration: 00:01:00:22 Scheduled: 00:00:00:00 Delay: C:\Radio_Live\Barilla-Tokyo (1999).mp4
	COCACOLA_ZERO	Duration: 00:00:20:00 Scheduled: 00:00:00:00 Delay: C:\Radio_Live\Coca-Cola-Zero.mp4

ETX GRAPHICS

1-20 21-40 41-60 61-80 81-100

cg radio 2 cg radio 3 cg radio 1

Preview Logs Configuration

Disney

e nessuno l'ha mai fermato.

00:00:05.03

00:00:24.22

00:00:30:00

00:00:00:00

00:00:30:00

00:00:00:00

00:02:00:00

00:00:00:00

00:00:30:20

00:00:00:00

00:01:00:22

00:00:00:00

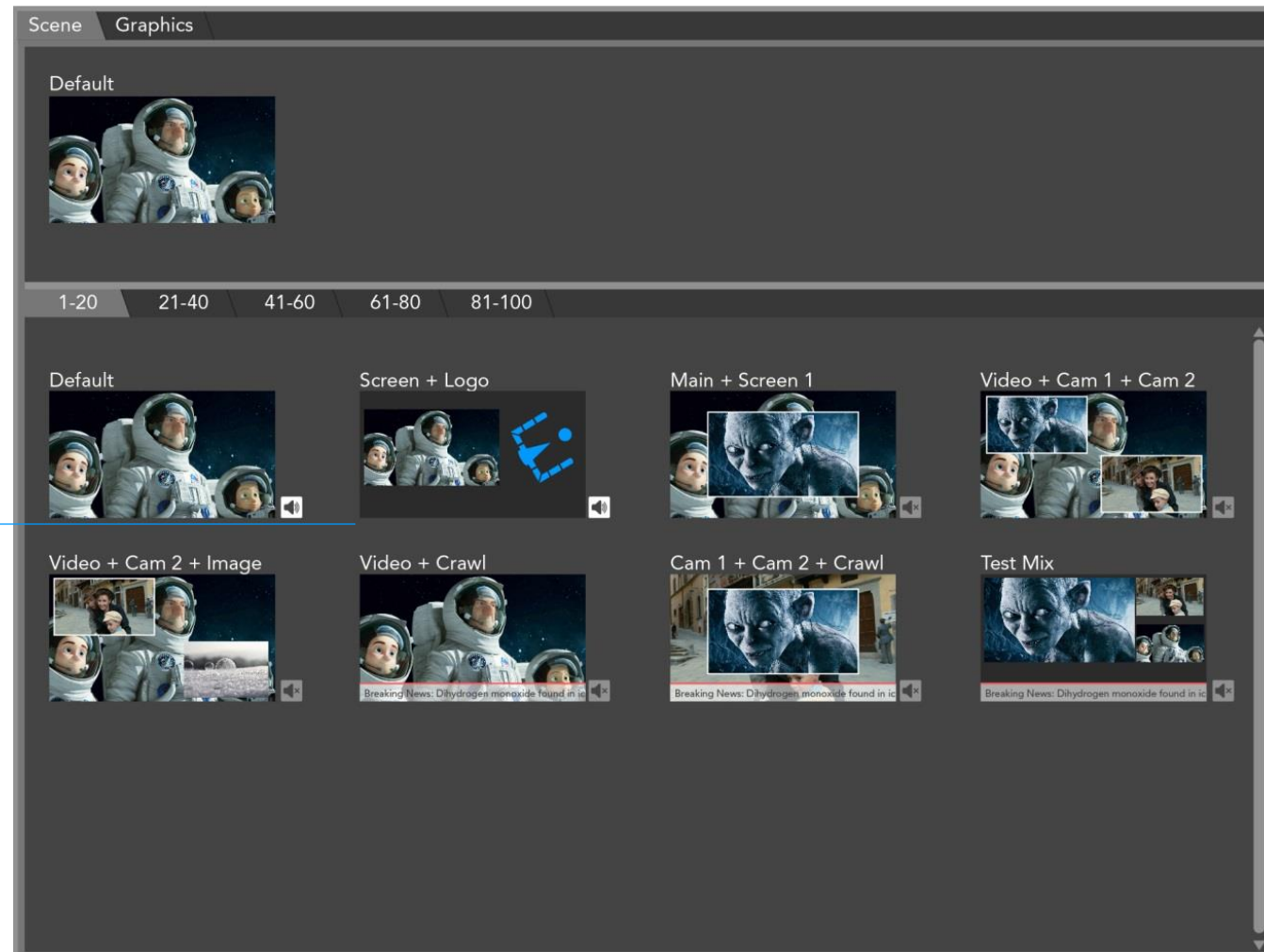
00:00:20:00

00:00:00:00

Graphics in library

Graphics

Preview of
broadcast with
graphic



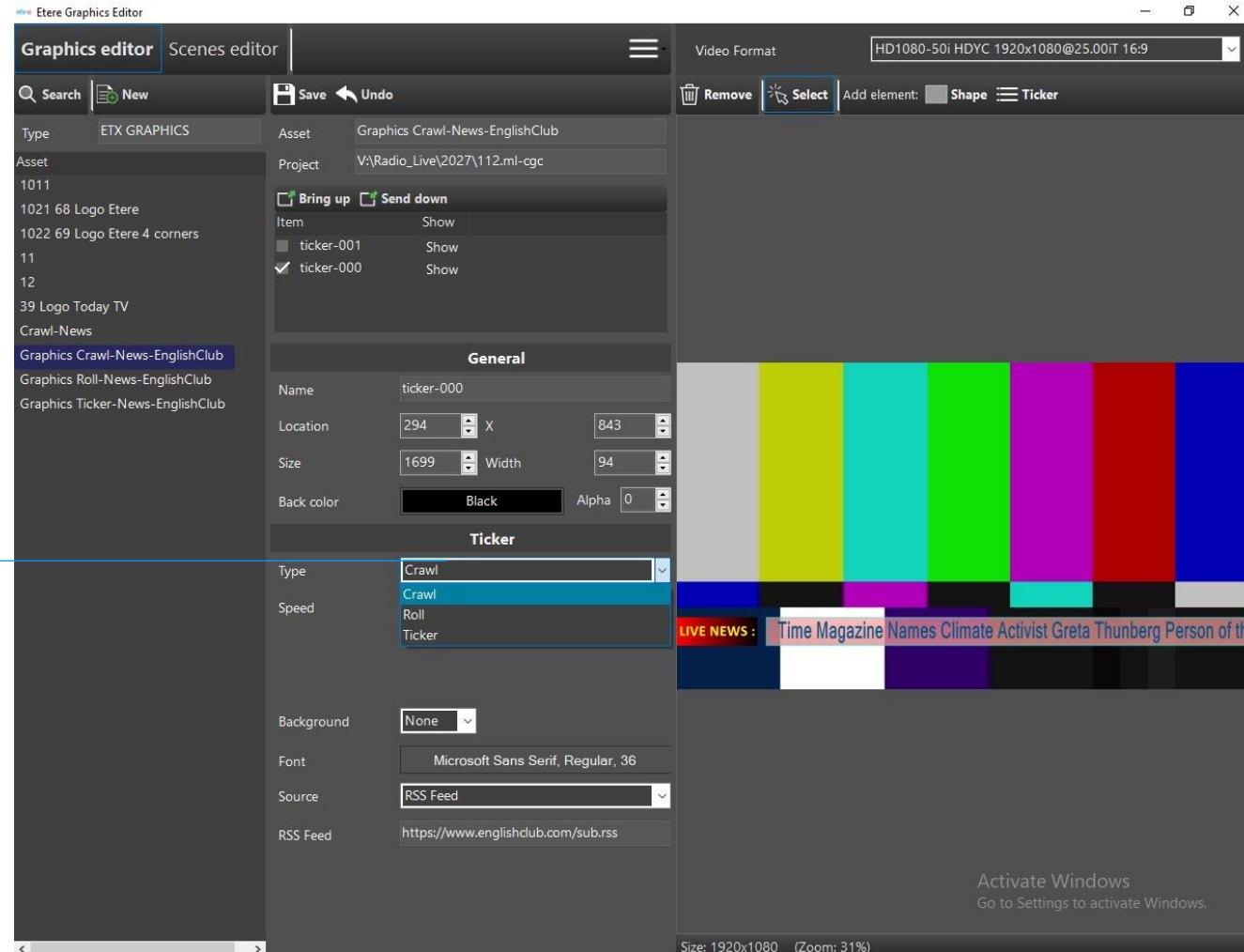
News Ticker

Preview of
broadcast with
graphic

Customisable
News Ticker



News Ticker



Control how ticker works

Preview of ticker

News Ticker

Live preview of
News Ticker
Graphic

The screenshot displays the RADIO, Radio Live Playout software interface. The main window is titled "RADIO, Radio Live Playout" and shows a live preview of a news ticker graphic. The interface includes a top bar with the time "15:37:35", the date "giovedì 19 dicembre 2019", and status indicators "Clone OFF" and "OFFLINE". The main preview area shows a video of a man in a hat and a woman, with a news ticker at the bottom reading "LIVE NEWS : Time Magazine Names Climate Activist Greta Thunberg Person of the Year". To the right of the preview, there are fields for "Position" (00:03:49.13), "Remaining" (00:00:40.11), and "Intro Outro". Below the preview, there are controls for "Automatic ON", "Filler OFF", and playback buttons. The bottom section shows the "On Air Schedule" with a list of songs and their durations. A "Schedule" window is open on the right, showing a list of songs and their durations. The "Graphics" tab is selected, showing a grid of graphics including "LIVE NEWS :", "Logo Etere 4 corners", "Logo Etere animated", and "Logo Today TV mov".

Position	Remaining	Intro	Outro
00:03:49.13	00:00:40.11		

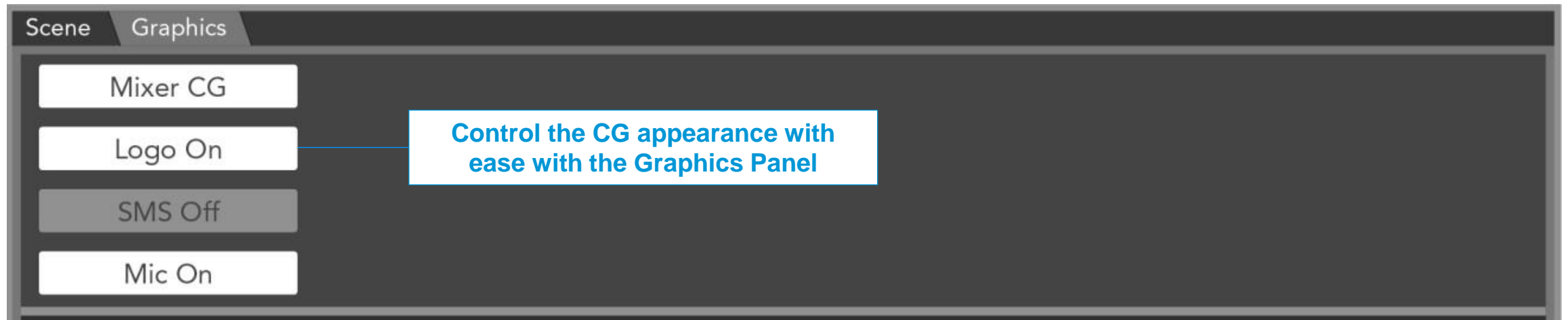
On Air Schedule	Duration	Scheduled	Delay
Despacito ft. Daddy Yankee	00:04:29.24	00:00:00.00	
Soldi	00:03:20.09	00:04:29.24	
Under Pressure	00:03:46.07	00:07:50.08	
Jambo	00:03:54.13		

Schedule	Duration	Scheduled	Delay
Despacito...	00:04:2...	00:00:0...	
Soldi	00:03:2...	00:04:2...	
Under...	00:03:4...	00:07:5...	
Jambo	00:03:5...	00:11:3...	
BARILLA...	00:00:4...	00:15:3...	
BARILLA...	00:02:0...	00:16:1...	

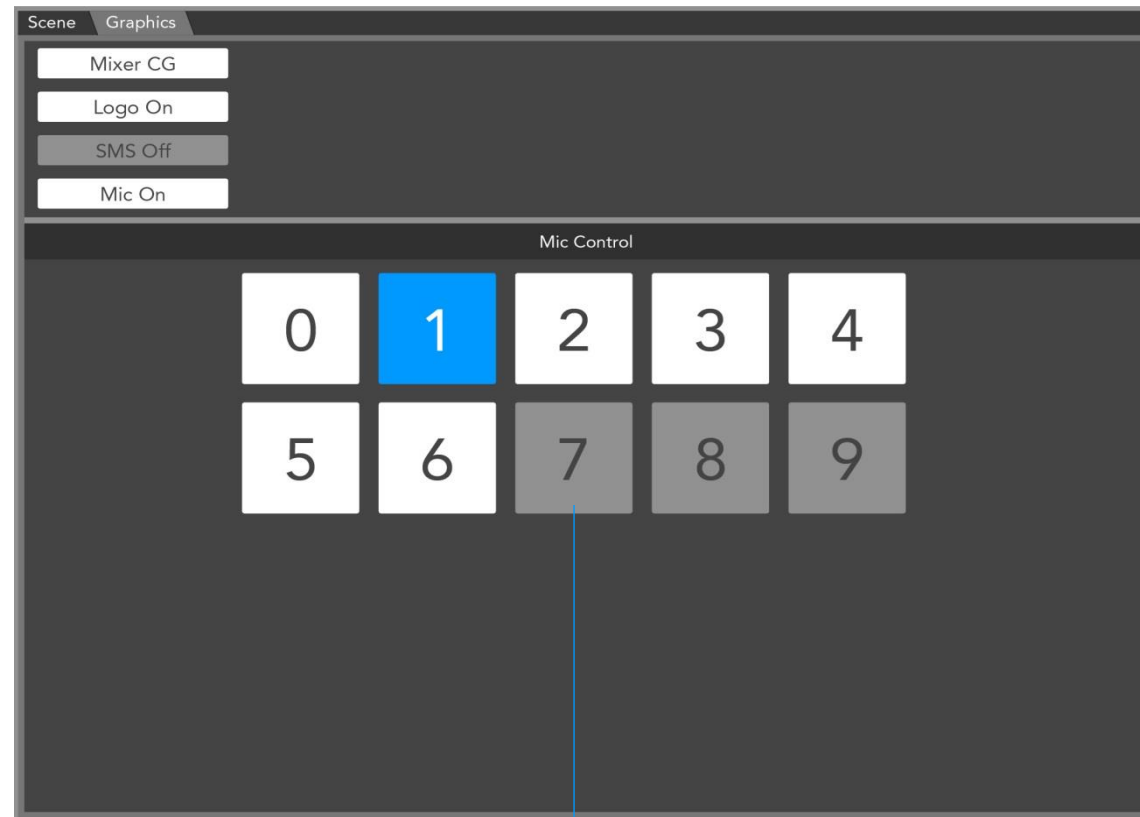
Graphics	Duration	Scheduled	Delay
LIVE NEWS :			
Logo Etere 4 corners			
Logo Etere animated			
Logo Today TV mov			

Your saved
News Ticker
graphic can be
found under
graphics tab

Graphics



Microphone Control



Mic Control allows you to select which of the automations combines with the command reception by **Microphone Detect**

Scene

What is a **Scene**?

- The **layout** of the transmission
- Each scene allows you to set the size and position of the stream, deciding audio and video transition times, enabling and disabling the audio, assigning predefined shapes, edges, inclination etc.

Scene

The screenshot displays the RADIO, Radio Live Playback software interface. The main window shows a live broadcast of a radio show. The top bar indicates the current time is 17:29:33 on Monday, December 16, 2019, and the status is 'Clone OFF' and 'OFFLINE'. The main video feed shows a host wearing headphones. The playlist on the right lists songs: 'Despacito ft. Daddy Yankee', 'Soldi', 'Under Pressure', 'Jambo', 'BARILLA_CHATLINE', and 'BARILLA_SPAGHETTI'. The bottom section shows the 'On Air Schedule' with a list of songs and their scheduled times. A red box highlights the 'BARILLA_CHATLINE' entry in the playlist.

Scene effects previews

Preview of Picture in Picture Broadcast

Picture-In-Picture

Live Preview of Picture
in Picture

RADIO, Radio Live Playback

14:28:32 venerdì 13 dicembre 2019 Clone OFF OFFLINE

41. ASUSW 10-02 (01ETX0041N)

Position 00:01:57.04

Remaining 00:02:32.20

Intro Outro

Despacito ft. Daddy Yankee
Daddy Yankee, Louis Fonsi

Automatic ON Filler OFF

On Air Schedule

	Despacito ft. Daddy Yankee Artists: Daddy Yankee, Louis Fonsi Album: V:\Radio_Live\Luis Fonsi - Despacito ft. Daddy Yankee.mp4	Duration: 00:04:29.24 Scheduled: 00:23:41.14 Delay: —
	Soldi Artists: Mahmood Album: V:\Radio_Live\Mahmood - Soldi (Prod. Gardust & Charlie Charles).mp4	Duration: 00:03:20.09 Scheduled: 00:28:11.13 Delay: —
	Under Pressure Artists: Queen Album: V:\Radio_Live\Queen - Under Pressure 1981 Live Video Full HD .mp4	Duration: 00:03:46.07 Scheduled: 00:31:31.22 Delay: —
	Jambo Artists: Glady Ferretti, Takagi and Katia Album: V:\Radio_Live\Glady & Katia 2018 - Glady Ferretti - Jambo (2018) (2018) Video.mp4	Duration: 00:03:54.13 Scheduled: 00:11:36.15 Delay: —

Preview Scene Graphics Cartwall Logs Configuration

On Air Close

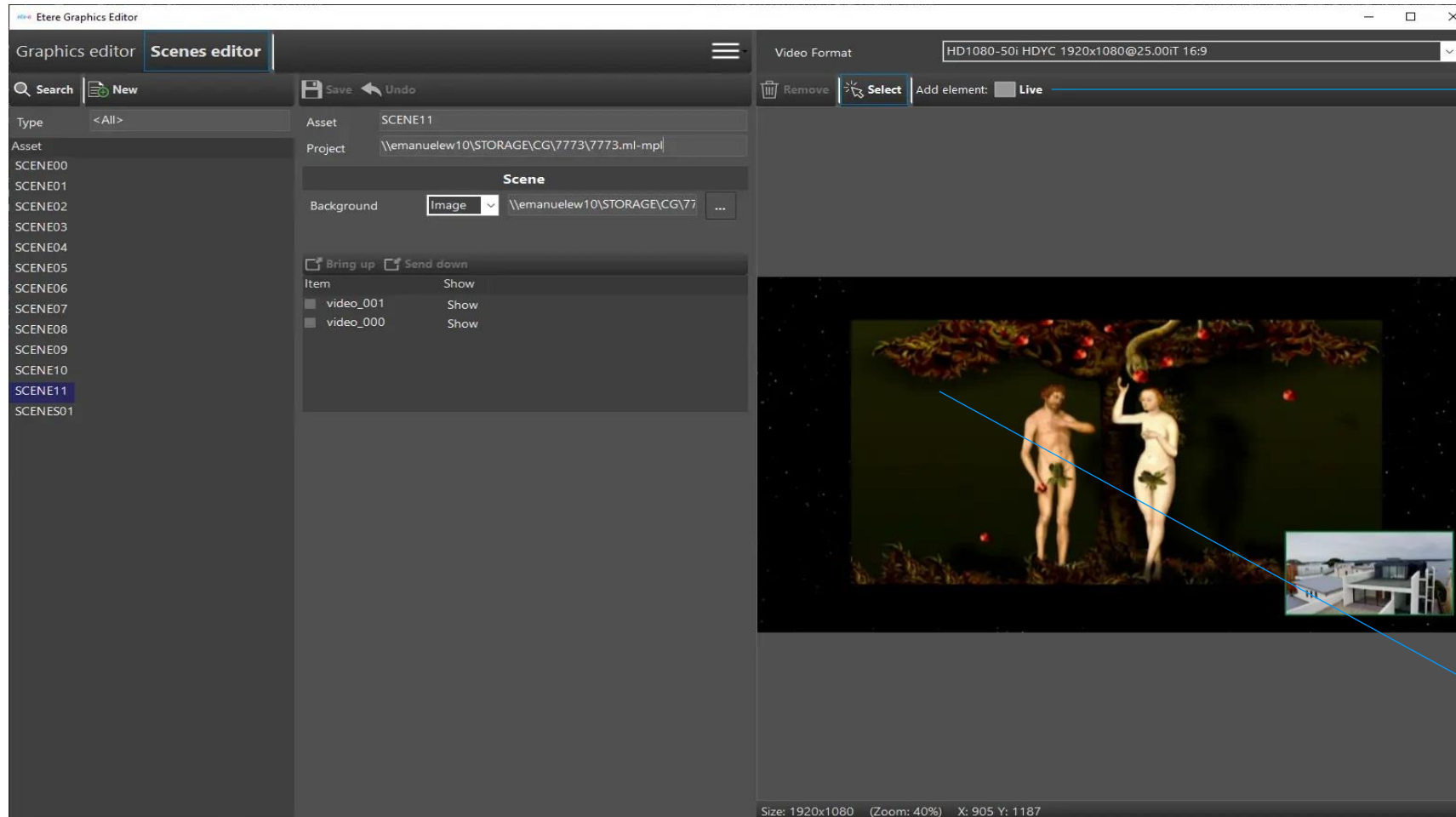
ETX SCENES

1-20	21-40	41-60	61-80	81-100
scene_03_playlist only	scene_04_CAM1+Playlis t	scene_05_Playlist+CAM 1+2+3	scene_06_CAM1	
	scene_07_CAM2			

Scenes Editor

- Edit scenes from saved and live transmissions
- Preview and make edits to live events with the inbuilt 'Live Preview' window
- Allows users to add CGs and multiple videos (such as picture in picture) onto the stream

Scenes Editor



Add to Live

Live Preview

KEY FEATURES



Key Features

Immediate Statistics

- View and download transmission logs
- Record and log audio
- Generate scheduling reports and gain insights with audience statistics
- Manage and monitor live streaming

Key Features

Ad Space Management

- Integrated Air-Sales system
- Keep track of budget
- Plan ad space
- Connect with clients
- Real time access to sales figures and inventory data

Hardware Specifications



Hardware Specifications

Server

- HP DL3XX
- 32 Gb ram
- Cpu silver 4110
- Audio card windows compatible
- Blackmagic SDI card (if needed)

Client

- I7 8000 series
- 16 Gb ram

Thank you

www.etere.com

