

Etere Channel-in-the-Cloud

The Smarter Cloud Solution



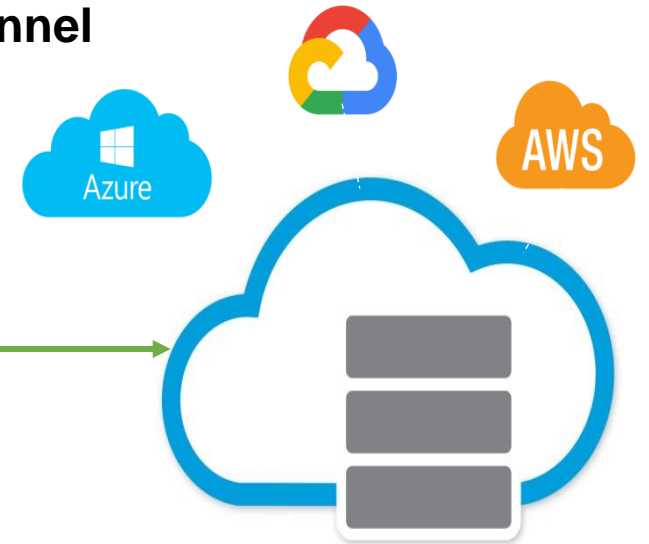
How it Works



Channel-in-a-Box



Youtube Channel

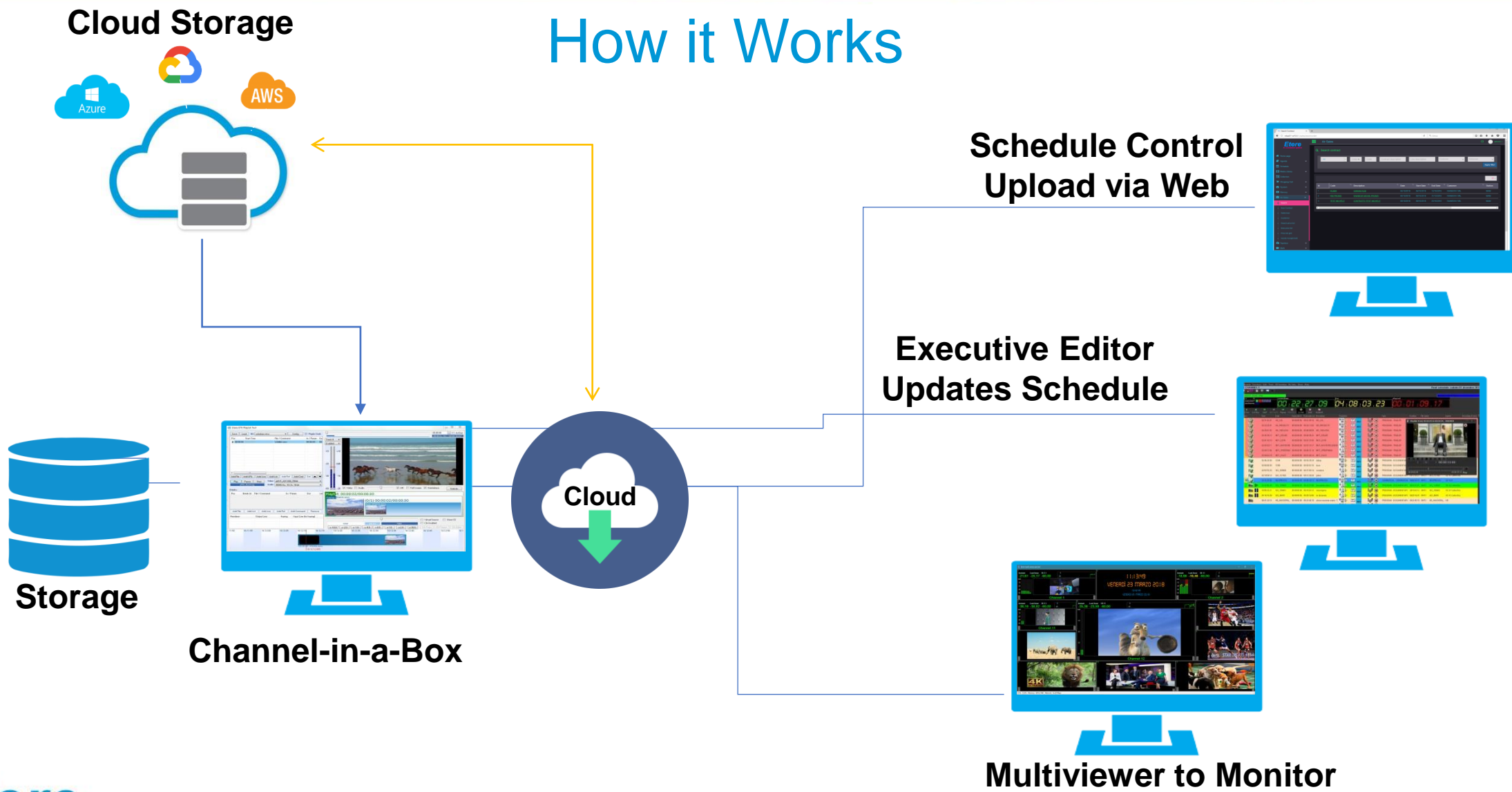


Etere Channel-in-the-Cloud

- Cloud-based channel playout, management and distribution
- Easy expansions of channels without the costs
- Compatible with Amazon Web Services, Microsoft Azure & Google Cloud
- Multi-protocol deliveries
- Live playlist and monitoring
- 4K, SD, HD



How it Works



Cloud Playout

Scheduling
(Airsales)

MAM

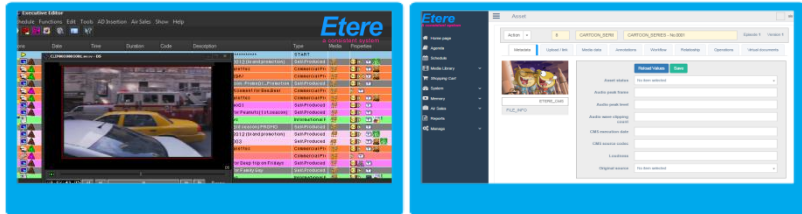
Automation

Archive



Executive Editor

Web



Etere
a consistent system



Multiviewer



IP Playout



SDI Playout

SDI

CG Insertions in the Cloud

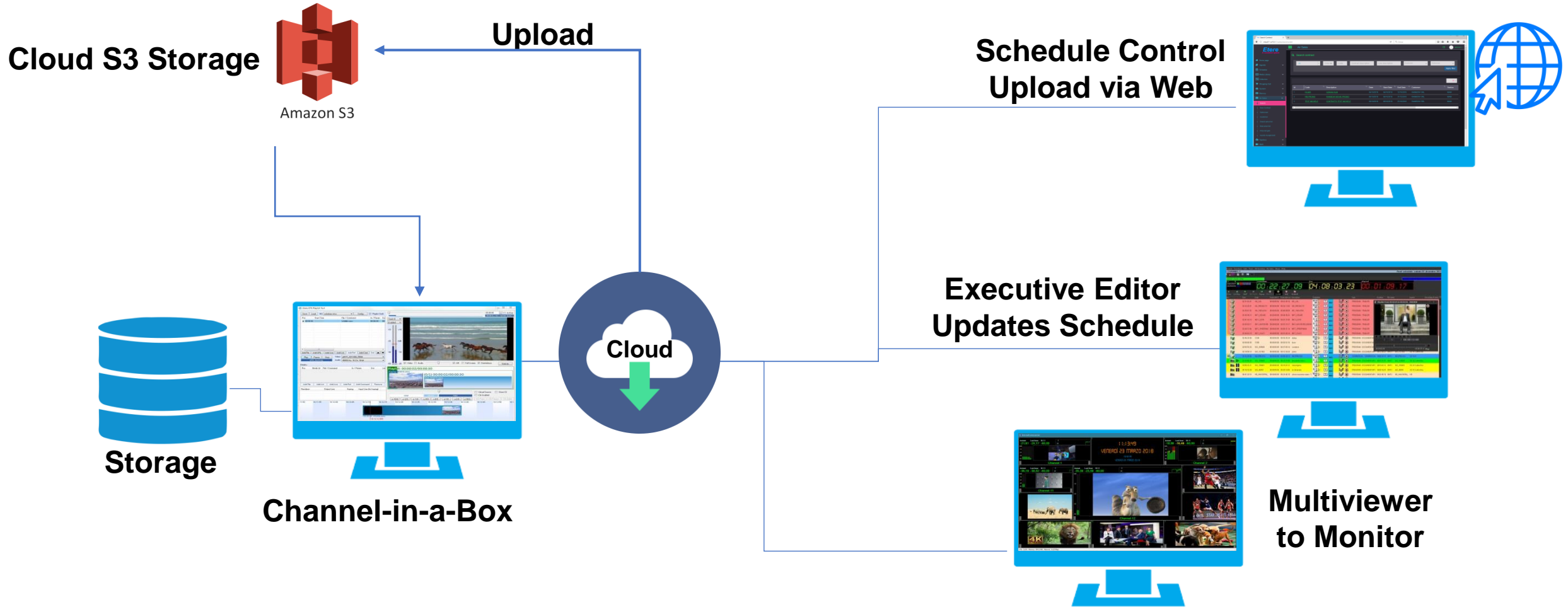
- Multiple overlays of graphics, logos, crawlers, tickets and image sequences
- Integrated with resource editor
- Supports HTML5, TGA, AVI, MOV, SWF, PNG, JPEG and GIF
- Capture web pages as live multimedia sources
- Preview



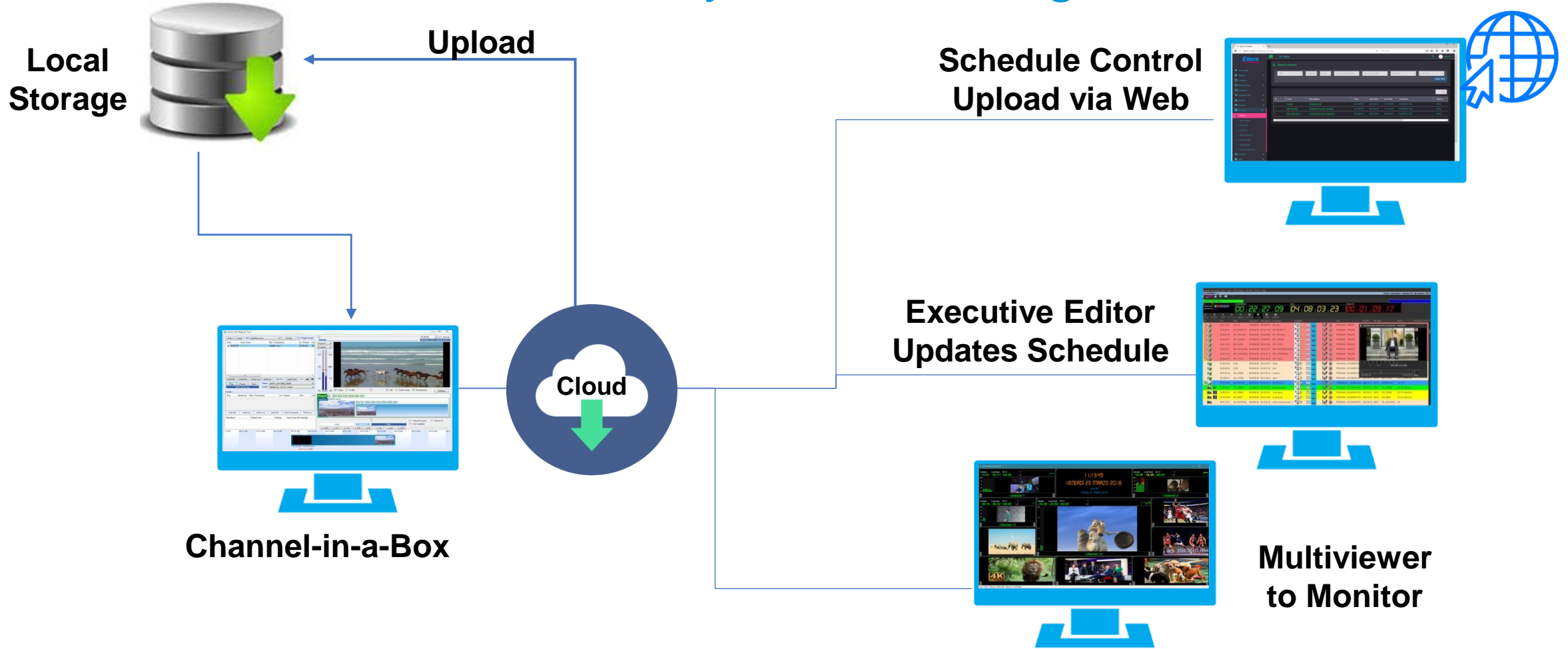
Functions



Use to Cloud S3 Storage

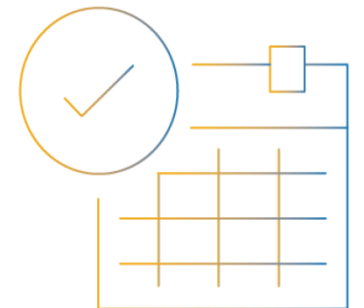


Use Only Local Storage



Scheduling

- Manage, plan and insert licensed content, contractual commercials, imported materials and ad insertions
- Insertion of primary and secondary events
- Import and export secondary events
- Media preview and loudness control
- Manage last minute amendments
- Access real-time audience reports



Scheduling

MAM Real schedule, sabato 03 febbraio 2018

st1 - On-Air - Man

countdown 00:00:12.15 ---:---:--- 00:00:00.00

types/break

STILL D-STILL SKIP RESTART Recue PROTECT CLONE LIVE SK2LIVE

Icons	Date	Time	Duration	Secondary Events	Code	Description	Timecode in	Timecode out	Type	Filename	Properties	ID Split	Blocks	Segments	Cluster...
	03/02/2018	15:25:02.16	00:00:14.22		106269AUSOPEN	106269AUSOPEN	00:00:00.00	00:00:14.21	FILM	106269ausopen					
	03/02/2018	15:25:17.13	00:00:29.23	afte	106269AUSOPEN	106269AUSOPEN	00:00:15.01	00:00:44.23	FILM	106269ausopen					
	03/02/2018	15:25:47.11	00:00:29.23	afte	106269AUSOPEN	106269AUSOPEN	00:00:45.01	00:01:14.23	FILM	106269ausopen					
	03/02/2018	15:26:17.09	00:00:29.23	afte	106269AUSOPEN	106269AUSOPEN	00:00:15.01	00:00:44.23	FILM	106269ausopen					
	03/02/2018	15:26:47.07	00:00:29.23	afte	106269AUSOPEN	106269AUSOPEN	00:00:45.01	00:01:14.23	FILM	106269ausopen					
	03/02/2018	15:27:17.05	00:00:29.23	afte	106269AUSOPEN	106269AUSOPEN	00:00:15.01	00:00:44.23	FILM	106269ausopen					
	03/02/2018	15:27:47.03	00:00:29.23	afte	106269AUSOPEN	106269AUSOPEN	00:00:45.01	00:01:14.23	FILM	106269ausopen					
	03/02/2018	15:28:17.01	00:00:29.23	afte	106269AUSOPEN	106269AUSOPEN	00:00:15.01	00:00:44.23	FILM	106269ausopen					
	03/02/2018	15:28:46.24	00:00:29.23	afte	106269AUSOPEN	106269AUSOPEN	00:00:45.01	00:01:14.23	FILM	106269ausopen					
	03/02/2018	15:29:16.22	00:00:11.02		2337MESSI	2337MESSI	00:00:00.00	00:00:11.01	FILM	2337messi					
	03/02/2018	15:29:27.24	00:00:18.17		2339CR7	2339CR7	00:00:00.00	00:00:18.16	FILM	2339cr7					
	03/02/2018	15:29:46.16	00:04:07.04		235848ROLANDG	235848ROLANDGAROS	00:00:00.00	00:04:07.03	FILM	235848rolandgaros					
	03/02/2018	15:33:53.20	00:01:40.23		244387BRA	244387BRA	00:00:00.00	00:01:40.22	FILM	244387bra					
	03/02/2018	15:35:34.18	00:00:16.20		2973NADAL	2973NADAL	00:00:00.00	00:00:16.19	FILM	2973nadal					
	03/02/2018	15:35:51.13	00:00:23.08		2975SHARAPOVA	2975SHARAPOVA	00:00:00.00	00:00:23.07	FILM	2975sharapova					
	03/02/2018	15:36:14.21	00:01:33.15		31067PREMIERE	31067PREMIERE	00:00:00.00	00:01:33.14	FILM	31067premiere					
	03/02/2018	15:37:48.11	00:03:29.20		33783DROGBA	33783DROGBA	00:00:00.00	00:03:29.19	FILM	33783drogba					
	03/02/2018	15:41:18.06	00:47:02.12		32ERD2_HD	32ERD2_HD	10:00:00.00	10:47:02.11	FILM	3zero2_hd					
	03/02/2018	16:28:20.18	00:20:00.09		101950	101950	00:00:00.00	00:20:00.08	FILM	101950					
	03/02/2018	16:48:21.02	00:00:15.00		106269AUSOPEN	106269AUSOPEN	00:00:00.00	00:00:14.24	FILM	106269ausopen					
	03/02/2018	16:48:36.02	00:00:29.24		106269AUSOPEN	106269AUSOPEN	00:00:15.01	00:00:44.24	FILM	106269ausopen					
	03/02/2018	16:49:06.01	00:00:29.24		106269AUSOPEN	106269AUSOPEN	00:00:45.01	00:01:14.24	FILM	106269ausopen					
	03/02/2018	16:49:36.00	00:00:21.24		106269AUSOPEN	106269AUSOPEN	00:01:15.01	00:01:36.24	FILM	106269ausopen					
	03/02/2018	16:49:57.24	00:00:11.01		2337MESSI	2337MESSI	00:00:00.00	00:00:11.00	FILM	2337messi					
	03/02/2018	16:50:09.00	00:20:00.08		101950	101950	00:00:00.00	00:20:00.07	FILM	101950					
	03/02/2018	17:10:09.08	00:00:15.00		106269AUSOPEN	106269AUSOPEN	00:00:00.00	00:00:14.24	FILM	106269ausopen					
	03/02/2018	17:10:24.08	00:00:29.24		106269AUSOPEN	106269AUSOPEN	00:00:15.01	00:00:44.24	FILM	106269ausopen					
	03/02/2018	17:10:54.07	00:00:29.24		106269AUSOPEN	106269AUSOPEN	00:00:45.01	00:01:14.24	FILM	106269ausopen					
	03/02/2018	17:11:24.06	00:00:11.01		2337MESSI	2337MESSI	00:00:00.00	00:00:11.00	FILM	2337messi					
	03/02/2018	17:11:35.07	00:00:18.20		2339CR7	2339CR7	00:00:00.00	00:00:18.19	FILM	2339cr7					
	03/02/2018	17:11:54.02	00:04:07.05		235848ROLANDG	235848ROLANDGAROS	00:00:00.00	00:04:07.04	FILM	235848rolandgaros					
	03/02/2018	17:16:01.07	00:01:41.00		244387BRA	244387BRA	00:00:00.00	00:01:40.24	FILM	244387bra					
	03/02/2018	17:17:42.07	00:00:16.22		2973NADAL	2973NADAL	00:00:00.00	00:00:16.21	FILM	2973nadal					

etx

15:25:02 - 15:25:15 106269AUSOF

15:25:17 - 15:25:47 106269AUSOPEN - 106269AUSOPEN

15:25:47 - 15:26:17 106269AUSOPEN - 106269AUSOPEN

15:26:17 - 15:26:47 106269AUSOPEN - 106269AUSOPEN

15:26:47 - 15:27:17 106269AUSOPEN - 106269AUSOPEN

15:27:17 - 15:27:47 106269AUSOPEN - 106269AUSOPEN

15:27:47 - 15:28:17 106269AUSOPEN - 106269AUSOPEN

15:28:17 - 15:28:46 106269AUSOPEN - 106269AUSOPEN

15:28:46 - 15:29:16 106269AUSOPEN

15:26:02 - 15:26:15 test grafica 00:00:14 afte

15:27:02 - 15:27:15 test grafica 00:00:14 afte

15:28:02 - 15:28:15 test grafica 00:00:14 afte

Status Bar

Functions Toolbar

Program main attribute

Secondary Events

Generate Schedule

Icons	Time	Difference	Code	Description	Type	Duration	Timecode in	Timecode out	File name
-------	------	------------	------	-------------	------	----------	-------------	--------------	-----------

Icons	Time	Difference	Code	Description	Type	Duration	Timecode in	Timecode out	File name	Properties	*Format con...	Parental ra
	07:00:00.00		START	START	START	0000:00:00						
	07:00:00.00		1	Wonderwall	VideoClip	0003:45:01	00:00:00.00	00:03:45:00	OK2_1	4:3	SD 4:3	
	07:03:45.01		26	Falling down	VideoClip	0001:00:03	00:00:00.00	00:01:00:02	OK2_26	4:3	SD 4:3	
	07:04:45.04		28	Blank Bottles	MoneyGroup - CDx	0000:15:00	00:00:00.00	00:00:14:24	OK2_28	4:3	SD 4:3	
	07:05:00.04		124	Juventus - Real Madrid Champion	UNKNOWN	0090:00:00	00:00:00.00	01:29:59:24	3-Channel 3	4:3	SD 4:3	
	08:35:00.04		23	National Live News	NEWS	0000:00:00	00:00:00.00	00:00:00:00	1-Channel 1	4:3	SD 4:3	
	08:35:00.05		70	Jeux D'Enlarks	FILM	0000:00:00	00:00:00.00	00:00:00:00	OK2_70	4:3	SD 16:9	
	09:55:00.05		27	Just like a woman	VideoClip	0000:00:00	00:00:00.00	00:00:00:00	OK2_27	4:3	SD 4:3	
	09:56:10.01		29	She's electric	VideoClip	0000:00:00	00:00:00.00	00:00:00:00	OK2_29	4:3	SD 4:3	
	10:01:05.12											
	07:00:00.00		END	END								

Properties

drag&drop

***Asset Search**
 File Edit Tools Favorites Show Help
 a consistent system

Standard | Extended | Flags | Full-text | AI

Description Starts with

ID

Types CLIP

Code

Exclude types

Duration 00:00:00.00 00:00:00.00

Groups: Types, Generi, Artisti

ID	Code	Description	Media
1 1		Wonderwall	1 acc 1
2 2		Y' sin embargo	1 acc 1
26 26		Falling down	1 acc 1
27 27		Just like a woman	1 acc 1
29 29		She's electric	1 acc 1

Search

Execution time: 00:00:00 Page: 1/3 *Records: 20/45 Sorted by: Code

Description

ID

Types

Code

Exclude types

Duration

Scheduling & Preview

The screenshot displays the Etere Executive Editor interface. On the left, a scheduling table lists various clips and their timing. On the right, a preview window shows a video clip titled 'FILM000000070 - DS' with a scene from a movie and a subtitle '- Once upon a time in Italy...'. A blue box labeled 'Preview' points to the video player.

Icons	Date	Time	Duration	Code	Description
	02/02/2015	06:00:00.00	00:00:00.00	START	***** START *****
	02/02/2015	06:00:00.00	09:00:00.00		
	02/02/2015	15:00:00.00	00:03:05.22	CLIP000000	Like a rolling stone
	02/02/2015	15:03:05.22	00:05:52.19	CLIP000000	Wonderwall by Oasis
	02/02/2015	15:08:58.16	00:09:48.15	FILM000000	Jeux D'Enfants
	02/02/2015	15:18:47.06	00:45:00.00	NEWS0000	National Live News
	02/02/2015	16:03:47.06	00:05:52.19	CLIP000000	Wonderwall by Oasis
	02/02/2015	16:09:40.00	00:01:33.15	CLIP000000	Ode to joy
	02/02/2015	16:11:13.15	00:00:38.02	CLIP000000	Despedida
	02/02/2015	16:11:51.17	00:01:00.05	CLIP000000	Adagio
	02/02/2015	16:12:51.22	00:05:20.00	CLIP000000	Juegos de Azar
	02/02/2015	16:18:11.22	00:02:00.04	CLIP000000	Outta time man
	02/02/2015	16:20:12.01	00:59:59.24	CLIP000000	Como un explorador
	02/02/2015	17:20:12.00	00:04:22.00	CLIP000000	You got you learn
	02/02/2015	17:24:34.00	00:01:59.24	CLIP000000	Vivace martelato
	02/02/2015	17:26:33.24	00:02:09.15	CLUSTER	CLUSTER of the hours 17
	02/02/2015	17:28:43.14	00:00:00.01	PROM0000	Promo for 'Italian Tales' (p
	02/02/2015	17:28:43.15	00:25:21.12	Italian Folk	Italian Folktales - No-000
	02/02/2015	17:54:05.02	00:01:25.01	CLUSTER	CLUSTER of the hours 17
	02/02/2015	17:55:30.03	00:00:30.00	CLUSTER	CLUSTER of the hours 17
	02/02/2015	17:56:00.03	00:00:00.01	CLUSTER	CLUSTER of the hours 17
	02/02/2015	17:56:00.04	00:00:11.13	STORY000	StoryNo-00041 New Yor
	02/02/2015	17:56:11.17	12:03:48.08		
	03/02/2015	06:00:00.00	00:00:00.00	END	***** END *****

Preview and Trim

The screenshot displays the Etere Ingest software interface. The main window is titled "Ingest" and features a metadata form on the left, a video preview window in the center, and a control panel on the right. The metadata form includes fields for ID (787), Code, Title, Types, Scheduling Date (09/07/2011), and Unrecorded assets. The video preview window shows a live feed of a man speaking into microphones, with playback controls and a "Preview" button. The control panel on the right includes a "Resources" section with "Router: C-01", "Source: LIVE", and "Input channel: 1 - LIVE1". Below this is an "Ingesting..." table with columns for Confidence, Proxy, *Third, Backup, Main, TC, DR, and E/E. The table shows the following data:

Ingesting...	TC	DR	E/E
Confidence: <input type="checkbox"/> Activate <input type="checkbox"/> Lock To Rec	00.00.00,00		
Proxy <input type="checkbox"/> Preview	REC	00.00.00,11	
*Third:		00.00.00,00	
Backup:	REC	00.00.00,11	
Main:	REC	00.00.00,11	

At the bottom of the control panel, there is a "Free space: 25.38.00,00" and "Movie: 787" indicator. A "Preview & Trim while recording" dialog box is overlaid on the interface, with a blue arrow pointing to the "Preview" button in the video preview window. The dialog box contains the text "Preview & Trim while recording" and an "OK" button. The status bar at the bottom of the window shows "Operation: PAL 1 01.52.07".

Web View

The screenshot displays the Etere web interface for viewing a schedule. At the top, the title 'Schedule' is visible. The main control area includes:

- DATE:** 26/11/2017
- TIME ZONE:** (indicated by a callout box)
- CLUSTER:** Compressed
- SCHEDULE:** Real schedule
- STATION:** MAM

Navigation buttons include a refresh icon, a 'View' button, and left/right arrow buttons. The main content is a grid of program slots with the following columns: Start Time, End Time, Program Name, Channel, and Broadcast Date. The grid shows a sequence of programs including 'ARGO', 'RIBELLE - THE BRAVE', 'CLOUD Episode 1', 'BIKE', 'DUBAI', and 'A BORDO RING'.

Start Time	End Time	Program Name	Channel	Broadcast Date
06:00:00.00	00:43:49.11	NOOP	HS	3/17/2016
06:00:00.00	00:00:00.00	NOOP	HS	3/17/2016
10:24:47.00	00:02:58.08	ARGO	HS	3/17/2016
10:27:45.00	00:02:18.10	RIBELLE - THE BRAVE	BRAVE	ENT
10:30:03.18	00:00:17.01	CLOUD Episode 1	CS81	SPOR
10:30:20.19	00:00:52.10	BIKE	CS82	SPOR
10:31:13.04	00:23:26	Break	06:05:00.00 J	3/17/2016
10:54:39.12	00:00:33.20	DUBAI	CS84	ENT
10:55:13.07	00:02:18.11	RIBELLE - THE BRAVE	BRAVE	ENT
10:57:31.18	00:02:51.03	A BORDO RING	CS85	SPOR
11:00:22.21	00:04:00.03	ARGO	HS	3/17/2016
11:04:22.24	00:02:18.10	RIBELLE - THE BRAVE	BRAVE	ENT
11:06:41.09	00:00:17.01	CLOUD Episode 1	CS81	SPOR
11:06:58.10	00:00:52.10	BIKE	CS82	SPOR
11:07:50.20	00:00:56	Break	06:17:00.00 J	3/17/2016
11:08:47.07	00:03:28.13	DUBAI	CS84	ENT
11:12:15.20	00:02:51.04	A BORDO RING	CS85	SPOR

Monitor Playout: ETX-M Multiviewer

Loudness Control

Pass

Errors

The screenshot displays the ETX-M Multiviewer interface, which is a grid of video feeds and two central program preview windows. The interface is divided into several sections:

- Grid of Video Feeds:** The interface is organized into a grid of video feeds. The top row contains two feeds, the middle row contains two feeds, and the bottom row contains two feeds. Each feed is labeled "SATELLITE" at the bottom. The feeds show various scenes, including a bridge, a city skyline, a building, a landscape, a person, and a group of people.
- Program Preview Windows:** Two central windows display program information and video feeds. The top window is titled "Family Spacing Out" and shows a video feed of a person in a space suit. The bottom window is titled "Couple In Blue Filter" and shows a video feed of a couple. Both windows include a progress bar, a "Pass" button, and an "Errors" button.
- Pass and Errors Log:** A central log displays the status of the program. It is divided into "Pass" and "Errors" sections. The "Pass" section shows the following entries:

Time	Event
22:18:26	Astronaut Landing
18:31:02	Earthling Running
17:59:34	News at 6

The "Errors" section shows the following entries:

Time	Event
20:20:56	Logo 4 not uploaded
20:19:02	Logo 4 can't be streamed
19:40:34	Gap in timing sequence

The bottom window has a similar log with the following entries:

Time	Event
15:18:26	Couple in Blue Filter
14:21:02	Logo 1 streamed
13:40:34	News flash

Etere ETX-M IP Multiviewer

- Manage multiple inputs of network & live video sources for simultaneous broadcast
- Record simultaneously for live video & network video broadcast
- 4K resolution monitoring
- Up to 9 display monitors
- Up to 30 video streams in real-time
- Automatic email alerts
- Supports all stream types



Channel-in-the-Cloud

- A single license: Automation, playout, channel branding, master control, analytics, monitoring
- Automation can play any playlist and send the output to any CDN provider
- Encode, transmit and receive multiple streams of video and audio in real-time
- Low latency monitoring
- Etere IP Multiviewer to monitor streams from local and remote sources

How Many Servers are Needed



How Many Servers

- There are no fixed rules, however there are a few consideration factors:
 - 1 server
 - Single channel playout
 - 2 users connect remotely
 - Add another if transcoding and large data movement are needed
 - Add other servers if your CPU/IO will be overloaded
- GPU acceleration
 - You may need to use
 - H265/H264
 - DVB out

www.etere.com

