



**PLAYBOX NEO**  
native cloud & broadcast solutions

Discover the Smart Media Solutions

[www.playboxneo.com](http://www.playboxneo.com)

Building on 25 years of successful innovation, PlayBox Neo Ltd. is advancing its role in the multi-platform future of broadcasting. Having pioneered the development of high-efficiency server-based and cloud-based playout, we are fully geared for today's world in which broadcasting is expanding to support every scale and type of one-to-many communication.

PlayBox Neo products and solutions power over 20,000 playout and branding channels worldwide.

Fully scalable, modular, open and available on as hardware or as a service, PlayBox Neo solutions are customer-oriented, easy to commission, logical to operate and highly robust. PlayBox Neo Suite is a professional media platform that enables centralized control, monitoring and administration of a multimedia workflow. PlayBox Neo Suite is a multi-user, multi-server environment that offers an enhanced user experience in a highly cost-effective package. Our server-centric product series is based on the PlayBox Neo Channel-in-a-Box system (AirBox Neo, TitleBox Neo, Ingest and Media Gateway). This turnkey solution integrates seamlessly with PlayBox Neo Suite to optimize your investment and enable a unified interface for future updates.

Cloud2TV extends playout to the cloud, offering a scalable, software-driven solution for remote access, flexibility, and efficiency.

Flexible connectivity is vital in today's digital world. PlayBox Neo has integrated powerful solutions to scale and fit your workflow at a cost-effective price. Our broadcast product range can deliver output in baseband SD, HD or UHD SDI, in DVB/ATSC-compliant streams and in web-based formats such as RTMP. Simulcasting of SDI and one or multiple streams is also possible.

Our mission at PlayBox Neo is to help individuals, organizations and businesses throughout the world realize their full potential.





# PlayBox Neo Suite

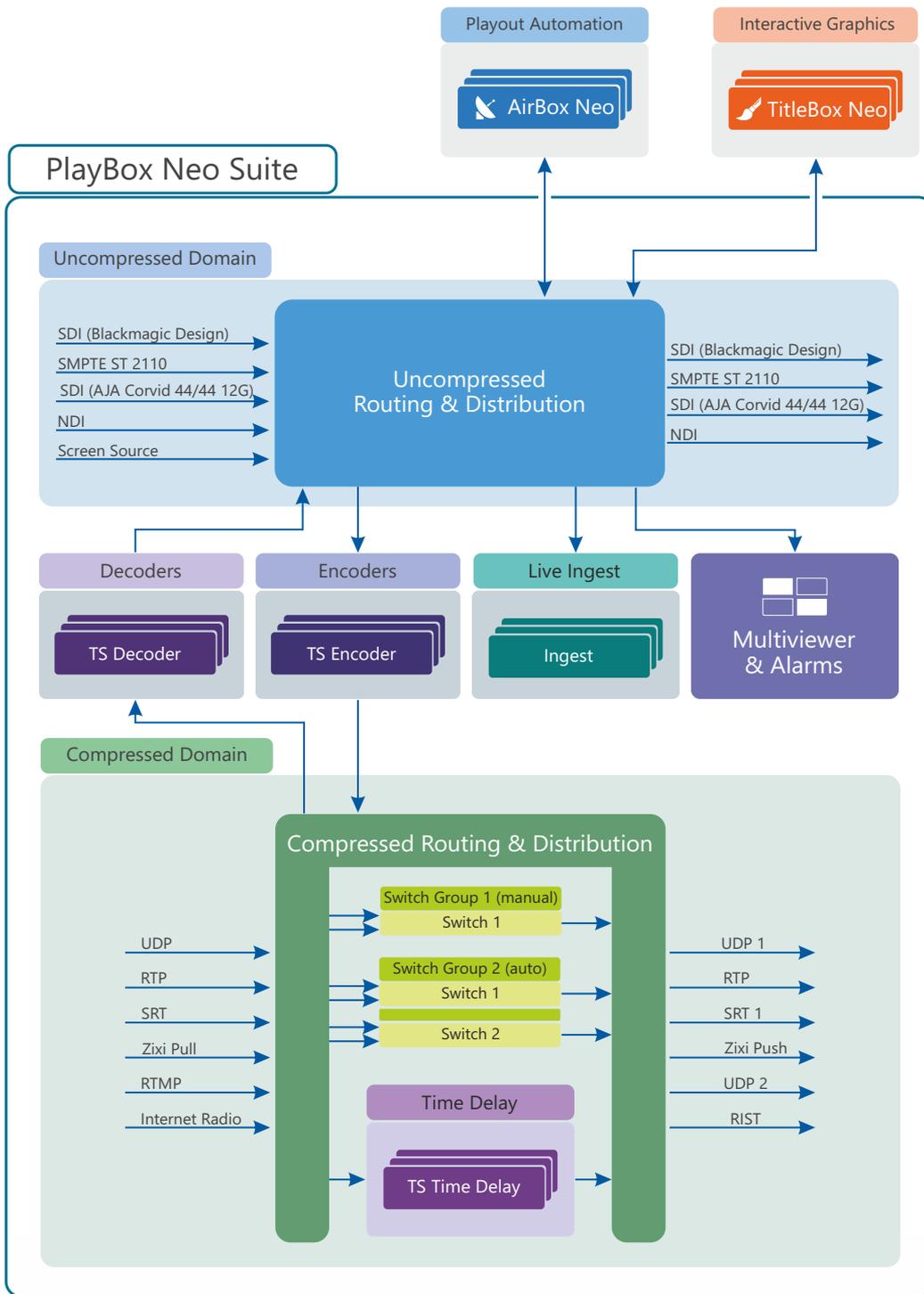
## Next-Generation Media Platform

PlayBox Neo Suite is the newest addition to our range of smart media innovations. The platform is an extensive suite of solutions designed to streamline and enhance the workflows of modern media organizations, including TV channels, satellite operators, content creators, and OTTs.

PlayBox Neo Suite is a professional media platform – providing a focal point for any modern media, allowing effortless centralised control, monitoring, and administration of an optimised multimedia workflow. The current line of “Channel in a Box” products integrates seamlessly with PlayBox Neo Suite to get the most from your previous investment and to offer a unified interface for future updates to a completely homogeneous ecosystem. PlayBox Neo Suite is a multi-user, multi-server environment that optimises resources and enhances user experience.

The continuously growing number of components offers added functionality and efficiency to any workflow.





PlayBox Neo Broadcast Architecture

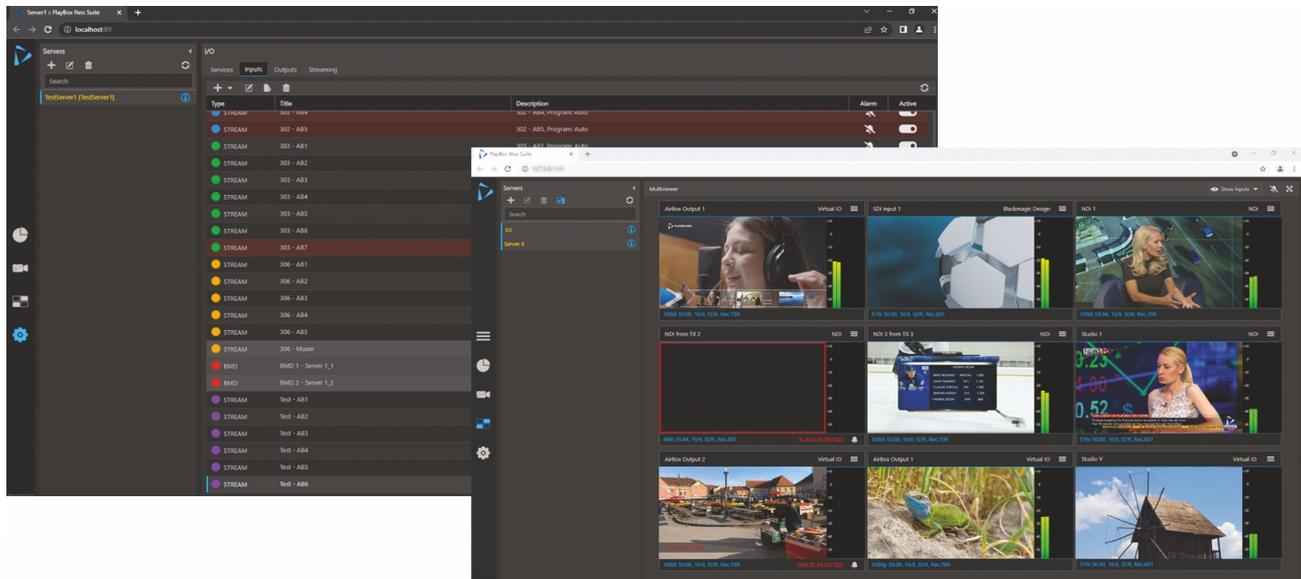


# Media Gateway

## Live Media Delivery and Distribution

Media Gateway is a live media delivery and distribution solution based on the PlayBox Neo Suite platform. It can be installed on-premises or in the cloud.

- Can receive streaming sources from: TS UDP, TS RTP, SRT, ZiXi pull, RTMP, Internet radio
- Can transmit to streaming destinations: TS UDP, TS RTP, SRT, ZiXi push
- Can receive SDI and NDI
- Can transmit SDI and NDI
- All non-TS stream sources are re-multiplexed to TS and can be transmitted as DVB/ATSC-compliant streams
- All stream sources can be decoded (SPTS and MPTS supported) and transmitted as NDI or SDI
- All stream sources can be transcoded including changing the audio layout, video standard, etc.





# Ingest

## Multi-Channel Ingest Solution

In an attempt to ensure a rich viewer's experience, broadcasters and post-production houses have to deal with receiving content from multiple live sources on a daily basis.

The Ingest application of PlayBox Neo Suite is a multi-channel – multi-server UHD/HD/SD live ingest solution that integrates into the production workflow of any television network, post-production facility or playout center.

The solution allows users to control multiple ingest channels, spread on multiple servers from a single web user interface. Functions such as input selection, ingest presets, file naming conventions assignments and auto-transfer functionalities are a single click away from the user.

The screenshot displays the Ingest application interface. On the left, there is a sidebar with a search bar and a list of ingest channels, each with a 'Compliance' status and a 'STOP' button. The main area shows a video preview window with a 'CURRENT TIME' of 22:53:29 and a 'Compliance File' section. Below this is a table of ingest files with the following columns: Start Time, Duration, File Name, and Status. The table contains 15 rows of data, all with a 'Finished' status.

Start Time	Duration	File Name	Status
2023-02-21 14:00:00	00:00:00:00	[Bar-Music] 2023-02-21 14_00_000013.s	Finished
2023-02-21 13:00:00	01:00:00:00	[Bar-Music] 2023-02-21 13_00_00022.s	Finished
2023-02-21 12:00:00	01:00:00:00	[Bar-Music] 2023-02-21 12_00_000219.s	Finished
2023-02-21 11:00:00	00:59:59:60	[Bar-Music] 2023-02-21 11_00_000543.s	Finished
2023-02-21 10:00:00	01:00:00:00	[Bar-Music] 2023-02-21 10_00_00027.s	Finished
2023-02-21 09:00:00	01:00:00:00	[Bar-Music] 2023-02-21 09_00_00012.s	Finished
2023-02-21 08:00:00	00:59:59:60	[Bar-Music] 2023-02-21 08_00_00046.s	Finished
2023-02-21 07:00:00	01:00:00:00	[Bar-Music] 2023-02-21 07_00_000313.s	Finished
2023-02-21 06:00:00	01:00:00:00	[Bar-Music] 2023-02-21 06_00_00076.s	Finished
2023-02-21 05:00:00	00:59:59:60	[Bar-Music] 2023-02-21 05_00_000453.s	Finished
2023-02-21 04:00:00	01:00:00:00	[Bar-Music] 2023-02-21 04_00_000325.s	Finished
2023-02-21 03:00:00	00:59:59:60	[Bar-Music] 2023-02-21 03_00_000453.s	Finished
2023-02-21 02:00:00	01:00:00:00	[Bar-Music] 2023-02-21 02_00_000353.s	Finished
2023-02-21 01:00:00	01:00:00:00	[Bar-Music] 2023-02-21 01_00_000322.s	Finished



# TS Time Delay

## Multi-Channel Time Zone Delay

PlayBox Neo TS Time Delay is a Transport stream Delay module for Time Zone Delays, Regional Delays and Disaster Recovery applications. Using PlayBox Neo Suite infrastructure, TS Time Delay can take input from any of the supported stream types and can delay the signal as much as it is needed starting from 1 second to days, week or months.

- Fully integrated in the PlayBox Neo Suite platform
- For single/multiple time zone delays, regional delays and disaster recovery applications
- Compressed DVB/ATSC TS Stream Delay
- Transparent to the Transport Stream - doesn't change any information from the TS source
- SPTS or MPTS delay from the same server
- Inputs: UDP, RTP, SRT, RTMP, Internet Radio, Zixi Pull
- Outputs: Transport Stream in UDP, RTP, SRT, RTMP, Zixi Pus

The screenshot displays the PlayBox Neo Suite interface, specifically the 'Streaming' section. The top panel shows a table of active streams with columns for Title, Storage, Delay, and Stream Source. Below this, a detailed view of the 'TS Time Delay' module is shown, including a table of streams with columns for Type, Title, Statistics, and Description. The bottom of the interface features three video preview windows showing hockey game footage, each with a delay indicator: '+1', '+3', and '+7'.

Title	Storage	Delay	Stream Source	Active
+10 minutes Delay	Media	00:00:00	Local A81	Active

Type	Title	Statistics	Description	Active
TS DELAY	+10 minutes Delay	Bitrate: In: 8.0 Mbps, In Lat: 0.037 ms, Start: In: 00:02:02	Delay: 00:10:00	<input type="checkbox"/>
UDP	226.6.6.6	Rate: 10.10.4.180/6066, Data: 8.0 Mbps	Ethernet 2 226.6.6.6/6066	<input type="checkbox"/>
RADIO	Dark	Bitrate: In: 129 Kbps, Out: 234 Kbps	http://dar.radio.by host.by/8000/21-128	<input type="checkbox"/>
RADIO	Home AAC	Rate: 127.6.6.1, Data: 8.0 Mbps, Net: 8.0 Mbps	http://home.aac.host.com:8000/live/aac3	<input type="checkbox"/>
SRT	Local A81	Rate: 127.6.6.1, Data: 8.0 Mbps, Net: 8.0 Mbps	Caller: 127.6.6.1432@Loopback	<input type="checkbox"/>
SRT	Local A82	Connecting...	Caller: 127.6.6.1432@Loopback	<input type="checkbox"/>
UDP	Local News Master	Waiting for Data	Loopback:9999	<input type="checkbox"/>
RTMP	5408.9	Bitrate: In: 8.0 Mbps, Out: 8.0 Mbps	http://media49mc.host.com:1935/8000/channel.com/8000/2	<input type="checkbox"/>
RTMP	5408.2	Bitrate: In: 8.0 Mbps, Out: 8.0 Mbps	http://media49mc.host.com:1935/8000/channel.com/8000/2	<input type="checkbox"/>
RTMP	5408.1	Op: 8000, Data: 8.0 Mbps, IQ Lat: 0.023 ms	Switch Group: 'Web 1'	<input type="checkbox"/>
RTMP	Web 2			<input type="checkbox"/>
RTMP	Web 1			<input type="checkbox"/>



# AirBox Neo

## Playout & IP Streaming

AirBox Neo provides automated content streaming and broadcast playout for any kind of TV channel – cloud-based, satellite, cable head-ends, over-the-air broadcasters, corporate TV, internet-based TV and etc.

Via its scalable, extremely robust and reliable playout engine, AirBox Neo can easily mix a variety of media files and live inputs in one playlist. It also provides multiple SDI/IP streaming outputs simultaneously in different video standards up to 4K.

Endless freedom of operation - any changes to the playlist during on-air sessions are possible! Media can be trimmed, edited or repositioned. Live productions are streamlined to allow insertion and/or execution of various events or live streams into the playlist.

The screenshot displays the AirBox Neo software interface. The main window shows a playlist with columns for Start time, Duration, Type, and Category. The playlist includes items such as 'NEWS START', 'BUSINESS LOAD', 'WEATHER START', 'SOCCER START', 'VOLLEY START', and 'MUSIC LOAD'. A central window displays a '7 DAY FORECAST' with weather icons and temperatures. The bottom of the interface features a control panel with buttons for '1- Logo LIVE', '2- Logo NEWS', '3- Show Logo Preset 1', '4- LIVE (Live)', '5- Video Scale (in)', '6- Show Logo Preset 2', '7- Logo OFF', '8- Unassigned', '9- Video Scale (out)', and '10- Unassigned'. The top right corner shows the current time as 00:04:30:18 and the clip duration as 00:00:17:17.

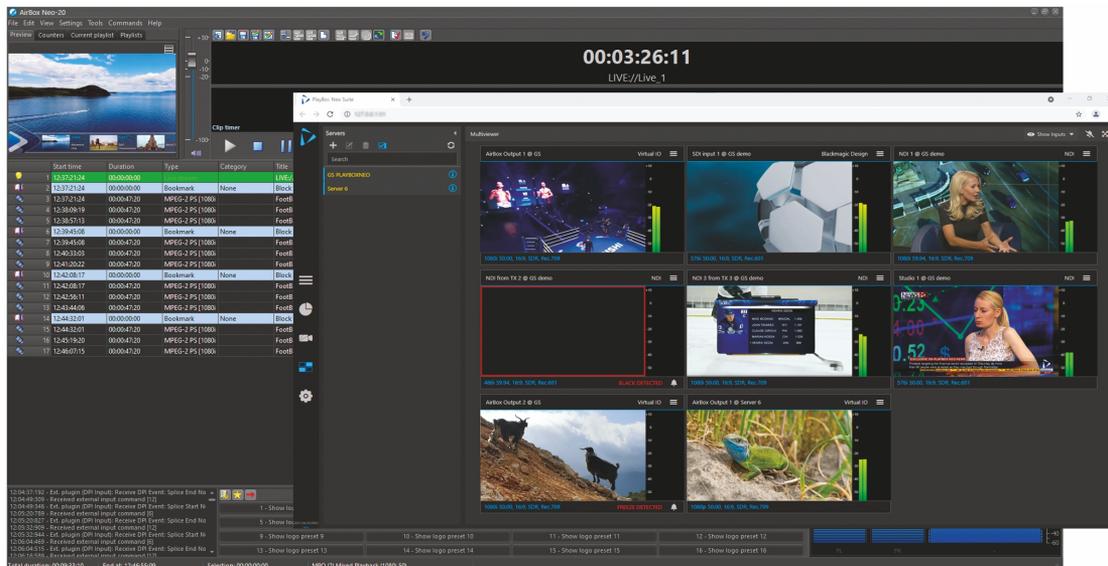
# TV Channel-in-a-Box

## World's Best-Selling Playout and Channel Branding Product Suite

PlayBox Neo Channel-in-a-Box is a turnkey playout server solution for broadcasting a single or multi-TV channel both available in HD or UHD. It provides a seamless workflow to keep a channel on-air by combining scheduling, ingest, playout, CG and interactive graphics, live media delivery and distribution within one box and remote tools to enhance QC checks, preparation and monitoring.

The output can be SDI or IP streaming and is suitable for a variety of applications including traditional broadcast TV, pay-TV, playout centers, satellite operators, etc.

By leveraging on the SaaS in the cloud or traditional platforms on-premises, PlayBox Neo Channel-in-a-Box offers playout automation with AirBox Neo, scheduling with ListBox Neo, interactive CG and graphics with TitleBox Neo, media Ingest and live media delivery and distribution with Media Gateway.





- Live Streams Management, Distribution & Delivery • Payout Automation
    - Interactive Graphics • Live Ingest • Integrated TV Channel-in-a-Box
    - Production Studio Payout • Ad Insertion • Disaster Recovery Payout
  - MOS-Integrated Newsroom Payout Workflow • Remote Redundant Payout
    - Transport Stream Time Delay • Free Ad-Supported TV Channel (FAST)
    - Internet TV Solutions • Cloud, Hybrid and On-Premise Solutions
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