



CHANNELMAKER-IN-A-BOX

EVERYTHING YOUR
CHANNEL NEEDS INSIDE
A SINGLE SYSTEM





CHANNELMAKER-IN-A-BOX

Everything your channel needs inside a single system

ChannelMaker-in-a-box is a robust single-rack unit system that does the job of a traditional automation system. It combines with wTVision Media Playout Server (video server), a real-time graphic engine and other add-ons, delivering a complete and ready-to-use playout solution.

wTVision simplified its playout solution to fit everything necessary to manage a TV channel inside a **single box**.

The advantages include easy installation, easy operation, high reliability, easy maintenance and a ready-to-ship configuration for simplified deployment.



READY TO USE

It was designed to meet the demands of a **wide variety of applications**:

- **Single-channel playout** - if you're just starting out
- **Channel expansion** - add a channel to your existing portfolio
- **Data center playout** - if you're running a playout data center
- **Disaster recovery/backup** - simple solution to create redundancy for your main tv channel

WHAT IS INSIDE THE BOX?

ChannelMaker-in-a-Box includes the core structures needed for your playout automation.



SCHEDULING

ChannelMaker Sequencer is a schedule creation tool for the management of your TV Channel's rundowns. You can also import playlists from external traffic systems and then edit these in ChannelMaker Sequencer for final adjustments.



PLAYOUT

ChannelMaker Playout is responsible for the full automation of your channel, controlling the Video Server, Graphic Engine, GPI Triggers and Routers in real time for a full MCR solution in a single box.



VIDEO SERVER

wTVision's Media Server is the component responsible for seamless continuous playout of your media with audio loudness control. The "in-a-box" version has been tested with a limited set of codecs to guarantee uninterrupted 24/7 playout with maximum reliability.



CHANNEL BRANDING

Scene Designer to easily create your 2D and 3D graphics. Pre-built scenes and channel logos so you can get started quickly adapting ChannelMaker to your channel's branding.



GRAPHICS CONTROLLER

Real-time 3D graphics playout engine that will play your secondary events' scenes and image sequences and composite them with the Media Server to produce a single integrated video and graphics output.

KEY FEATURES

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- Licensing for SD, HD or UHD
- Inputs / Output in SDI, SRT or NDI.
- wTVision's video server that supports multiple broadcast codecs
- External GPI triggers or your own output
- Media validation tools
- Allows to import Traffic files like Traffic OSC, XML, CSV, JSON (see formats for details), BXF
- FTP media access
- Playout logging and error reporting
- Control multiple Channel in a single interface
- Plays most common broadcast video formats/codecs in SDI or IP
- Easy Media Asset Management
- Easy discover, transfer and playback of assets in the network
- Import schedule from traffic systems
- Reports all played videos
- Control a variety of Video Routers or Mixers in SDI or IP
- Enables the blending of 2D and 3D graphics, along with compatibility for HTML5
- Possibility to add Channel time or regressive clocks
- SCTE-35 / SCTE-104 support
- Plays Squeezeback / Picture-In-Picture / DVE
- Allows Play While Ingest and delayed inputs for timezone purposes or others



SPECIFICATIONS

STORAGE

- SSD 250GB NVME PCI-E M.2 (OS)
- SSD 4x 1TB SLC/MLC/TLC Raid5 (3TB)

CPU

- XEON SILVER 4215R 8C/16T 3.2GHZ
- XEON W-2245 8C/16T 3.9GHZ
- XEON W-3245 16C/32T 3.2GHZ
- AMD RYZEN 9 3900X 12C/24T 3.8GHZ AM4 1

GPU

- nVidia P2200
- nVidia RTX A 4000
- nVidia RTX 3070

VIDEO CARD

- Blackmagic Duo 2 (4x SDI I/O in HD)
- Blackmagic Quad 2 (8x SDI I/O in HD)
- Blackmagic 8K Pro (4x SDI I/O in HD or 4K)
- LAN SFP+ 10Gbs (8x IP I/O in HD or 4K)

VIDEO SERVER

- **Video Codecs**
XDCAM 50HD, IMX30, IMX40, IMX50, MPEG2, DVCPRO25, DVCPRO50, DVCPRO100, H264, H265, HEVC, MPEG-4
- **Audio**
PCM Audio Max 16 Channels
Dolby ATMOS and DTS
MP2, AAC, MP3, AC-3
Secondary Audio Track with crossfade.

AUTOMATION OPTIONS

- GPIO/LTC
4 GPIO Inputs
Take Next Item
Take Anchor Item
Hold on Event
Unhold Event
- GPI Output
Secondary Events GPIO(1), GPIO(2), GPIO(3), GPIO(4)

TIMECODE

- LTC Reader with options BNC, RCA, Mini XLR

VIDEO ROUTER OPTIONS

- Create live input source primary events
- Supported video routers:
 - Evertz
 - SAM
 - Blackmagic

OPERATING SYSTEM

- Windows 11 Pro 64 Bits

Start building your channel right away
CONTACT US NOW



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