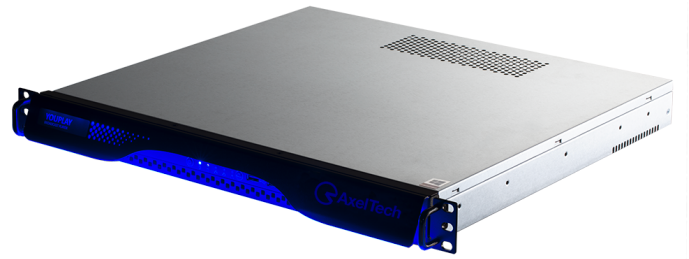


YouPlay



A smart tool for Studio Playout & Ingest

Tapeless workflow finds in **YouPlay** the cleverest way to play video during live production, such as on-air video Contribution Playout for news, talk shows, events coverage.

YouPlay is the ideal PCR Automation to Feed Studio Video Walls, featuring Clips Playout or playlists, play/stop from still frame, animations play.

YouPlay has been designed to be a real multiple-formats player with a user-friendly interface that fits perfectly into live production with no need of training or skilled operators.

- Multi track audio re-shuffling

tool

- Background video playback

from NDI or URL sources

- Backup capture source on

alternative data path

- SDI, NDI and URL input source

as playlist clip



Youplay supports DV, HDV, DVCPRO, MJPEG, MPEG-2, TS, MPG, VOB, H.264, H.265, AV1, MP4, QuickTime, PRORES, DNxHD, AVI, WMV, ASF, MXF, XDCAM, IMX, GXF, LXF, FLV, MKV, WebM, HuffYUV, VP8, VC3, JPEG2000, DPX, including any audio or bitmap file format.

Support of SDI and IP I/O NDI, SMPTE 2022 & SMPTE 2110 (only with specific video card) allows to deploy YouPlay both in traditional and IP based production facilities.



Main Features

- SDI/NDI/IP 4K/2K/HD/SD playout & ingest (YOUPLAY SERVER model)
- Virtually any video and file format compatibility (SD/HD/2K/4K): up to 16 Audio channels
- (Dynamic selection of enabled audio channels)
- Automatic up/down scaling and aspect ratio adjustment (16/9, 4/3, etc.)
- Hardware Compatibility: BMD (SDI), AJA (SDI, SMPTE 2022 & SMPTE 2110), BlueFish (SDI,

- ☐ SMPTE 2022 & SMPTE 2110)
- ☐ Key output on SDI with 32 bits Bitmaps sequence, QuickTime Animation and ProRes 4:4:4
- ☐ Timecode RP188-VITC-LTC
- ☐ Crop, field swap, aspect correction mode (Letterbox, no Letterbox, stretch)
- ☐ Free CGComposer app for CG template creation
- ☐ Timed CG on playlist with dynamic text metadata.
- ☐ Frame accurate single clip loops.
- ☐ Slow-motion up to -2x/+2x
- ☐ Play while ingest
- ☐ Remote control with BMD ATEM, NEWTEK TRICASTER, BMD HYPERDECK emulation,
- ☐ VDCP mixer, RS422 controller
- ☐ MOS integrations for NEWSROOM with multiple channel gateway

YouPlay Workflow





YouPlay Playout mode

Specifications

- Supported Video Cards: BMD DeckLink and Intensity, AJA Corvid, Bluefish
- Resolutions: SD, HD, 2K, 4K (depending on AV card)
- Simultaneous NDI output
- Up to 16 Audio channels
- 10 Bit video output for CC over SDI and ancillary data
- KEY and FILL output (if supported)

GUI

- Channel alias, icon and color
- Preview framerate adjust for RDP optimization
- Customizable shortcuts for CUE, PLAY, FIRST FRAME
- CC on preview
- Drag and Drop of multiple files
- Drag and Drop between Channels
- Single clip position duration and

by video card)

Timecode rp188 and LTC

SDI inputs, NDI sources and URLs

on the playlist

MOS, RS422, BMD ATEM,

NEWTEK TRICASTER, BMD

HYPERDECK emulation

position display

Total playlist duration and

remain display

First frame positioning

OSD vu-meters and waveform

Customizable number of vu-meters

Realtime video preview

Customizable skins

Customizable drag and drop file sorting

Simple player or graphical/grid playlist GUI

Independent and sizable GUI for each channel

4 channel GUI scaled for 1920x1080 screen

Features

Virtually any video and file format compatibility

DV, HDV, DVCPRO, MJPEG,

MPEG-2, TS, MPG, VOB, H.264,

H.265, AV1, MP4, QuickTime,

PRORES, DNxHD, AVI, WMV, ASF,

MXF, XDCAM, IMX, GXF, LXF, FLV,

Ableton Launchpad hotkeys Free CG composing app for template creation

SDI preview output with OSD (timecode)

Free XTrimmer Quality control app with SDI/NDI output,

MKV, WebM, HuffYUV, VP8, VC3,
JPEG2000, DPX, in any resolution
or framerate with automatic
adaption

☒ NVidia GPU decoding for H264
and H265

☒ Automatic upscale, downscale,
framerate adaptation and aspect
ratio correction

☒ CG overlay

☒ Log files

☒ As run log files

☒ MarkIn and MarkOut
management

☒ Frame accurate loops

☒ Slow motion also with RS422 and
VDCP controllers

☒ REC while PLAY (for specific
formats) with endless MarkOut

☒ Realtime Vertical and Horizontal
Crop

☒ Realtime field swap: top bottom
progressive

☒ Realtime aspect ratio correction
mode: Letterbox, no letterbox,
stretch

metadata insertion and loudness

☒ control

☒ Watchfolder with GUI
notification and 1 button load

☒ Default behaviour for duration,
stop mode, aspect ratio, fields
swap and stretch mode

☒ Automatic use of external audio
files with same filename

☒ Multiple channel control from
main channel for play, stop,
pause, rec and stoprec

☒ Remote control of BMD ATEM
and NEWTEK TRICASTER

☒ MOS protocol for multiple
channel gateway

☒ Protocols supported : SONY
RS422, VDCP RS422, VDCP TCP/IP,
BMD HYPERDECK

☒ Integration for 3rd party RS232
RS422 routing switchers

☒ RESTAPI commands

☒ SNMP MIB, TRAPS and Alerts

☒ XMAM integration with drag and
drop from web browser

☒ Audio preview on windows audio

- Realtime Mirror and rotate
- Automatic load of last playlist at start-up
- Advanced CG with clocks, tickers, rolls, crawls, bitmap animations, any video file format
- All CG graphics as secondary events
- GPI in/out with MOXA and JLCOOPER for play and stop commands
- Audio master volume and single clip volume
- Start time code can be modified for each clip
- Simple scheduling tool for automatic playout

YouPlay Ingest

Specifications

GUI

- OSD vu-meters and waveform
- Counters for total and segment
- File code and Timecode counters
- Taskbar miniplayer
- User definable shortcuts
- WEB GUI
- Channel label
- Sizable GUI
- Realtime video preview
- Average and instant data rate

Features

- GPU accelerated capture with Nvidia GTX or better and Intel quicksync
- SDI to NDI of live source
- Customizable memory buffer for capture
- Internal RTMP server for point to point connections over internet
- Capture time limit or automatic file switch
- Audio preview on sound card
- Simultaneous PROXY file capture

monitoring

▣ Space and time left on disk real time

calculation

▣ NDI source selection on main GUI

▣ OSD display for counters

▣ Customizable 2-16 channel vu and peak

meters

Video Codecs

▣ MPEG 4 part 2

▣ Cisco OpenH264

▣ Intel Quicksync H264

▣ Nvidia NVEnc H264

▣ Nvidia NVEnc H264 lossless

▣ Nvidia NVEnc H265

▣ MPEG 1

▣ MPEG 2

▣ DV

▣ DVCPRO

▣ MJPEG

▣ FLV Sorenson

▣ HuffYUV

▣ WMV 8

▣ Google VP8

▣ Apple Prores proxy, LT, 422, HQ

▣ QuickTime ANIM

▣ Batch capture from RS422 VTRs

▣ Remote control TCPIP of Blackmagic

Design ATEM, Videohub and NewTek

TriCaster

▣ Remote control of any RS232 or RS422

routing switcher or master control

▣ SOAP & REST API

▣ Watchdog service

▣ Log Files

▣ Accurate statistics of capture process

▣ Seamless file switching during capture

▣ Image grab with custom file syntax

▣ Capture calendar scheduler for
unattended capture

▣ Volume adjustment with original
volume simultaneous display

▣ IP streaming encoder of live input in
RTMP, UDP, RTSP, IIS, HLS, WMS.

File format wrappers

▣ Mpeg Program (MPG)

▣ Mpeg Transport (TS)

▣ MPEG4 part 14 (MP4)

▣ QuickTime (MOV)

▣ DNxHD (MOV)

▣ IMX MPEG4

Uncompressed 422 8-bit

Uncompressed 422 10-bit

DNxHD

VC3

OPEN JPEG2000

DPX

MXF

MXF D-10 (IMX)

GXF

DV

FLV

DVD VOB

ASF

iPod Mp4

AVI

Matroska (MKV)

WebM

Image Sequence (DPX, PNG, JPG)

System requirements depend on

Video playout and capture resolution

Video codec format

Number of simultaneous

playout/capture/streaming/proxy

Audio codecs

WAV (16, 24, 32, Cinema, signed, floating etc)

MP2

MP3

AC3 (ATSC A/52A)

AAC

ALAC

ADCPM

VORBIS

Suggested system requirements

i7 8700K CPU

Windows 10

16GB RAM

NVidia GTX








Minimum system requirements

I3 CPU

Windows 7

4GB RAM

Youplay family comparison table

AxelTech		YOUPLAY FAMILY				
	YOUPLAY FREE	YOUPLAY PRO	YOUPLAY BRO	YOUPLAY COMPACT	YOUPLAY SERVER	
						
Nags	ads on user interface	no nags	no nags	no nags	no nags	
Playlist management	limited	✓	✓	✓	✓	
Clip scrubbing	-	✓	✓	✓	✓	
Trimming Mark In/Out	-	-	✓	✓	✓	
Slow-mo	-	-	✓	✓	✓	
Logo overlay	-	✓	✓	✓	✓	
Advanced graphic	-	basic graphic	tickers, rolls, crawls	tickers, rolls, crawls	tickers, rolls, crawls	
Watchfolder	-	-	✓	✓	✓	
Channels	1	1	up to 4	up to 4	up to 4	
GPI control	-	-	✓	✓	✓	
LAN BMD Switcher	-	-	✓	✓	✓	
LAN BMD Matrix	-	-	✓	✓	✓	
VDCP	-	-	✓	✓	✓	
Capture video	-	-	-	-	✓	
NDI	-	-	-	-	✓	
	SOFTWARE ONLY LIMITED FEATURES	SOFTWARE ONLY BASIC FEATURES	SOFTWARE ONLY BASIC FEATURES	 TURNKEY UNIT 1RU (1 to 2 channels) 4RU (4 channels)		
	YOUPLAY FREE	YOUPLAY PRO	YOUPLAY BRO	YOUPLAY COMPACT	YOUPLAY SERVER	

www.axeltechnology.com

YouPlay Free

FREE. Try it, use it.

YouPlay Free is fully functional with same features as **YOUPLAY PRO** version with advertisement on VGA and countdown on screen for 30 seconds. After countdown, video output is clean and usable for real production. Channel 2, 3, and 4 are demo modes for **YOUPLAY BROADCAST** version without any NDI/SDI output. Ingest mode, available on **YOUPLAY SERVER**, in demo mode allows 1 minute of capture. Enjoy the free version of the most powerful TV production player on the planet!