



DS200 Live Streaming AIO

All-Media

Full-Scene

Powerful

Portable

All-In-One & Ultra-Portable



DS200 features a fully integrated design, housing a built-in host, a 17.3-inch full HD display, a PC keyboard, a touchpad, a broadcast keyboard, a T-bar switcher, a PTZ joystick, professional audio/video I/O cards, a professional sound card, and a mixing console. All-in-one and ultra-portable—it's a complete studio in a single machine.

Comprehensive Interfaces



DS200 offers up to 12 video input/output interfaces, up to 5 professional audio input interfaces, and ample PC connectivity — supporting 4K video input and output to capably handle most small to mid-sized live production needs.



All In One Mobile Studio

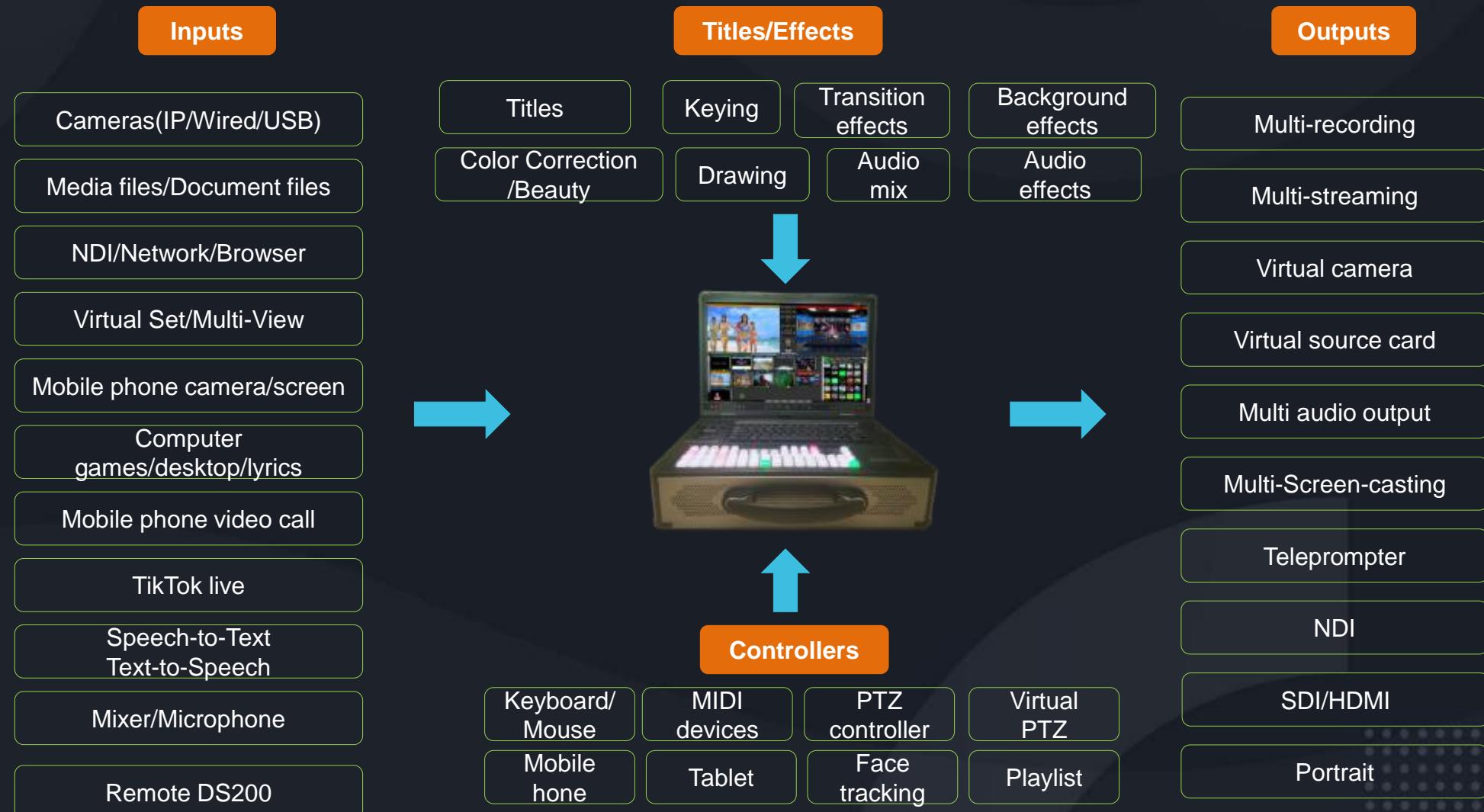


A traditional studio requires extensive equipment—such as separate switchers, mixers, recorders, streaming encoders, multi-viewers, screen casting devices, PTZ controllers, virtual set systems, teleprompters, and graphics generators—along with multiple operators.

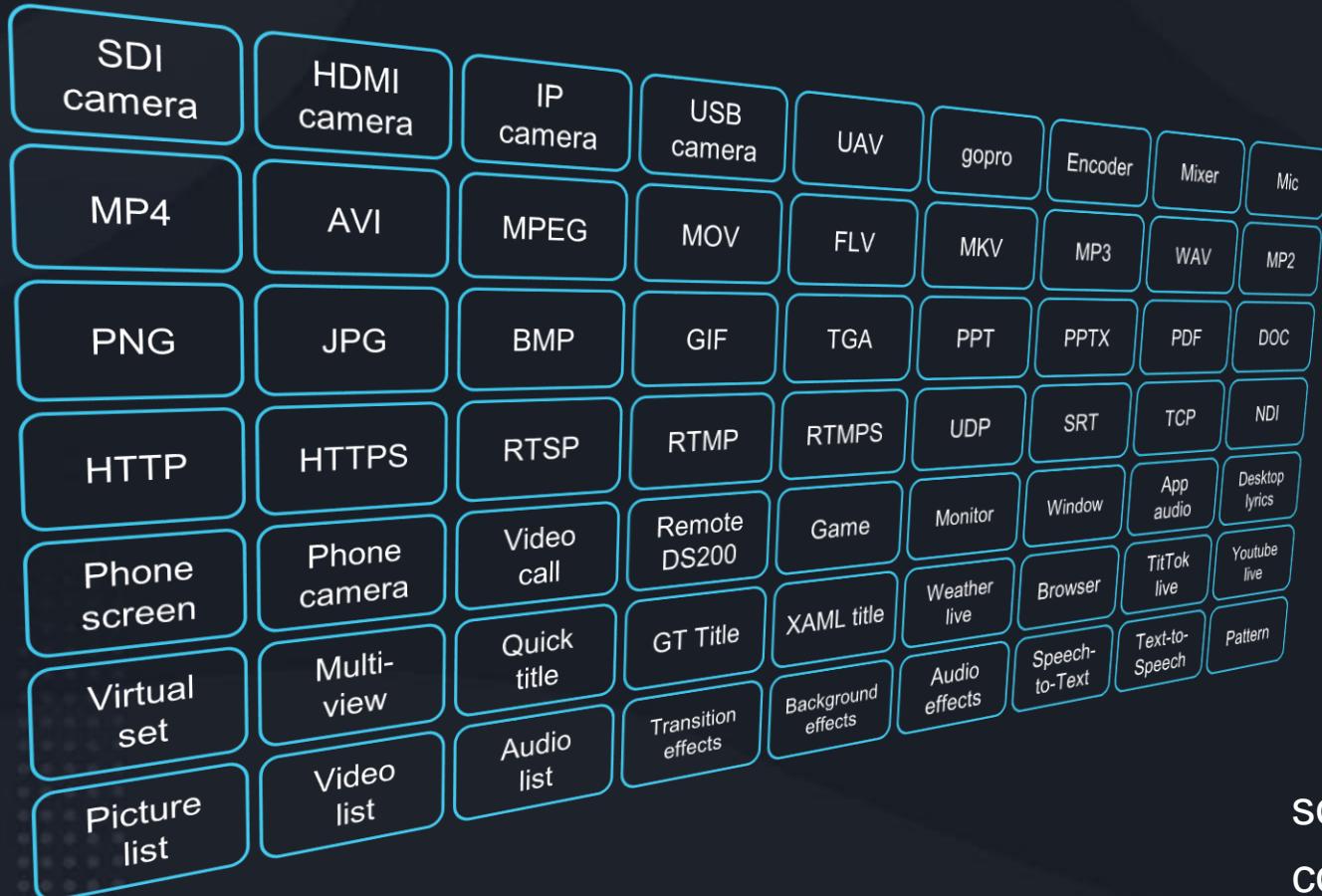
DS200 integrates all these into a single portable unit weighing around 5 kg, enabling one-person operation for full live production and dramatically reducing user investment.

Workflow

Routing signals, enhanced by graphics, effects, and control — the DS200 delivers complete production in a single box.



Infinite Input



More than 50 types of signal sources — not just cameras — can be connected to the DS200. Anything can be live-streamed.

Infinite Output

Video recording, streaming, screen casting, virtual output, HDMI/SDI, NDI and so on can be output from the PGM or from input source. Multi channel concurrent output. One encoding, multiple outputs, saving hardware resources.



Full-Scenario Control

It supports diverse control methods — including PC keyboard/mouse, MIDI device, PTZ joystick, mobile/tablet web-based control, as well as facial tracking, gesture recognition, and automated playback — to meet the demands of any production environment.



Audio & Video Connectivity



XLR/TRS/LINE



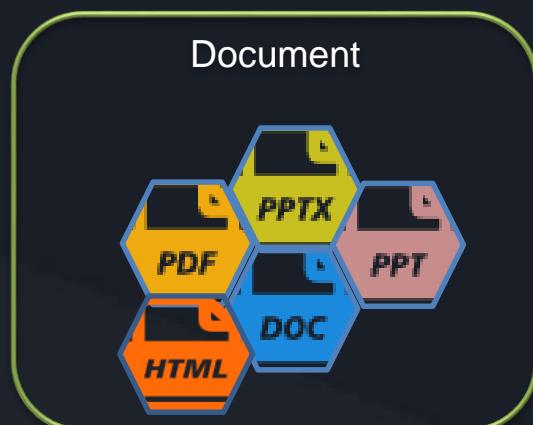
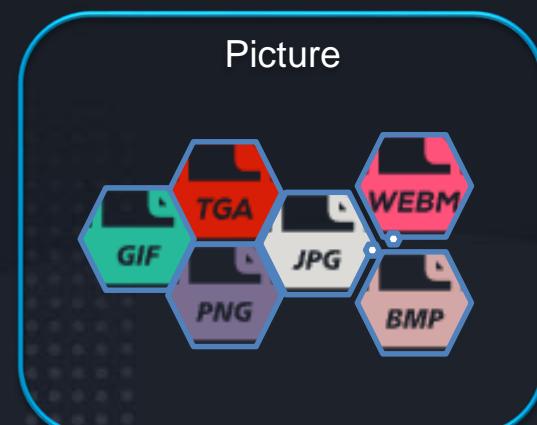
HDMI/SDI/USB/NET



Camera/camcorder/UAV/motion camera/decoder

- **Video:** Supports up to 12 video devices, including cameras, camcorders, drones, sports cameras, and encoders. Compatible with HDMI, DP, SDI, USB, and NET interfaces.
- **Audio:** Integrates up to 6 audio devices, such as mixers, microphones, headsets, and wireless mics. Supports XLR, TRS, and LINE connections.

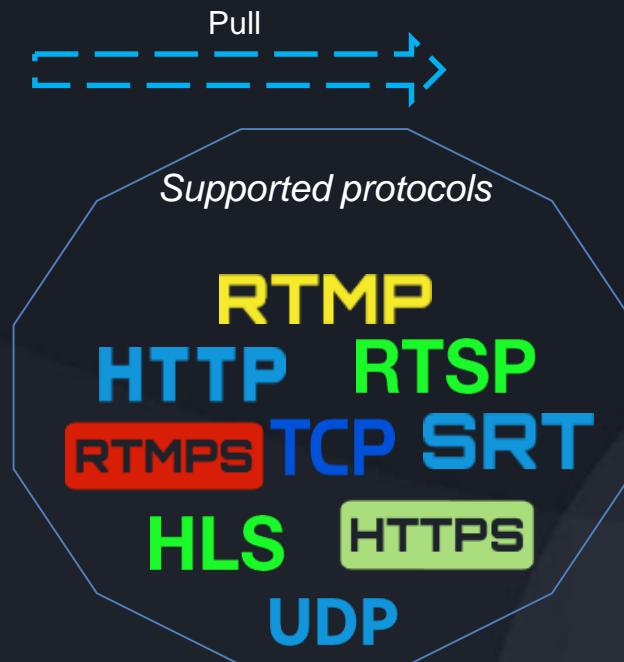
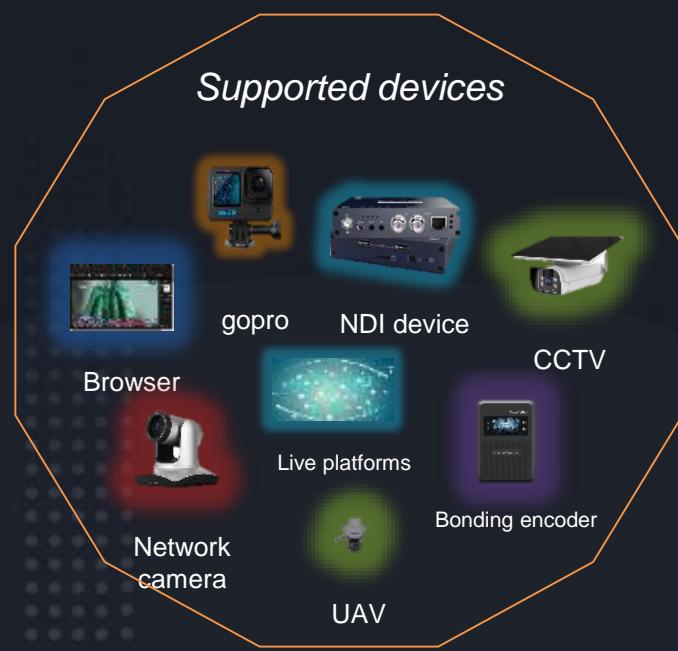
Supported Media Files



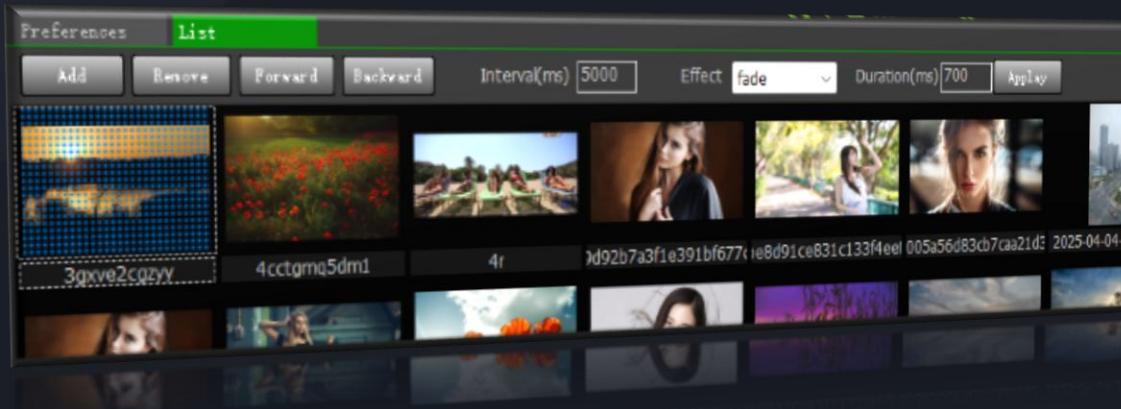
Supports common video, audio, image, office documents, and HTML files. Delivers seamless playback of transparent videos and images, and fully preserves embedded animations and effects in PowerPoint presentations.

Supported Network Stream

- Pull streams from network cameras, encoders, drones, sports cameras, live platforms, and more.
- Support for RTMP/RTMPS/SRT/RTSP/HTTP/HTTPS/HLS/TCP/UDP unicast and multicast protocols.
- NDI® compatibility with automatic source discovery.
- Browser/website integration: Video and image URLs are automatically parsed and can be added independently.



Support Playlist



- Stitch multiple videos, audio clips, images, or signal sources into a playlist for continuous sequential playback.
- Offers a variety of transition effects to choose from.
- Supports both manual and automatic switching with customizable interval timing.



Video list

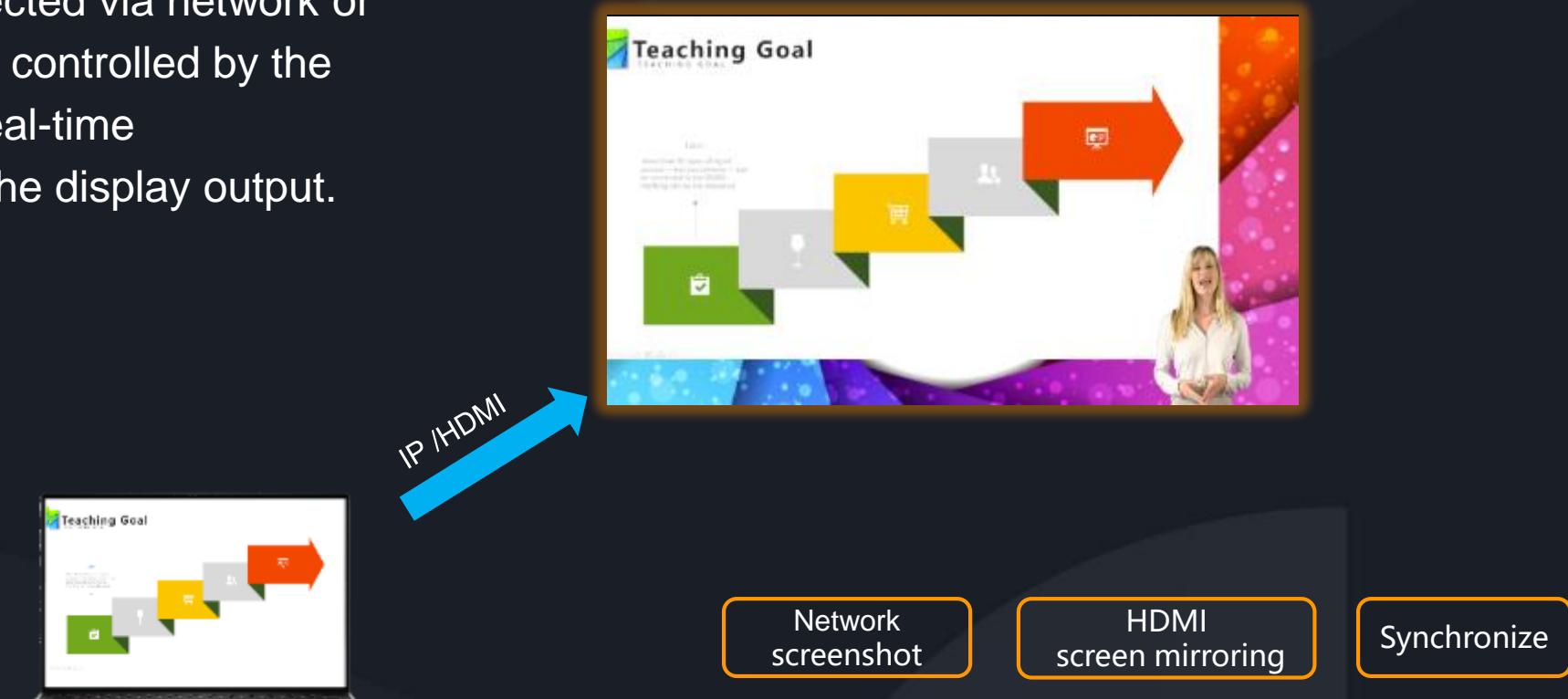
Audio list

Picture list

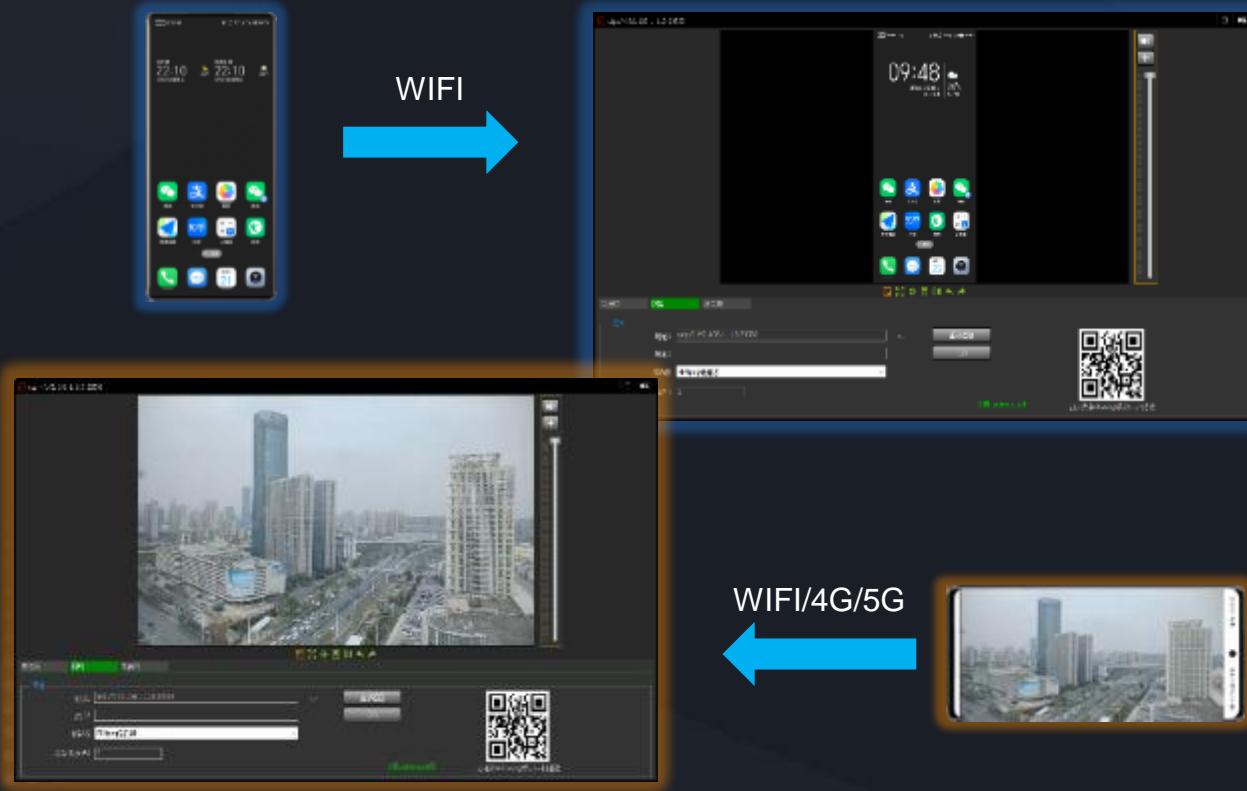
Source list

Computer Desktop Integration

The presenter/lecturer's computer desktop can be connected via network or HDMI. Page turns are controlled by the presenter, ensuring real-time synchronization with the display output.



Mobile & Tablet Integration



- **Screen Mirroring:** Connect mobile/tablet screens via Wi-Fi with UDP/SRT protocol support, achieving low latency as low as 300ms. Ideal for app demos or game streaming.
- **Camera Streaming:** Access front/rear cameras via Wi-Fi/4G/5G using UDP/SRT/WebRTC protocols, with latency as low as 300ms (Wi-Fi) or 400ms (4G/5G). Supports both landscape and portrait modes.

Low latency

Multi-protocol

Multi-network

Remote Video Call



4G/5G/WIFI
↑



Low latency

Bandwidth adaptive

P2P connection

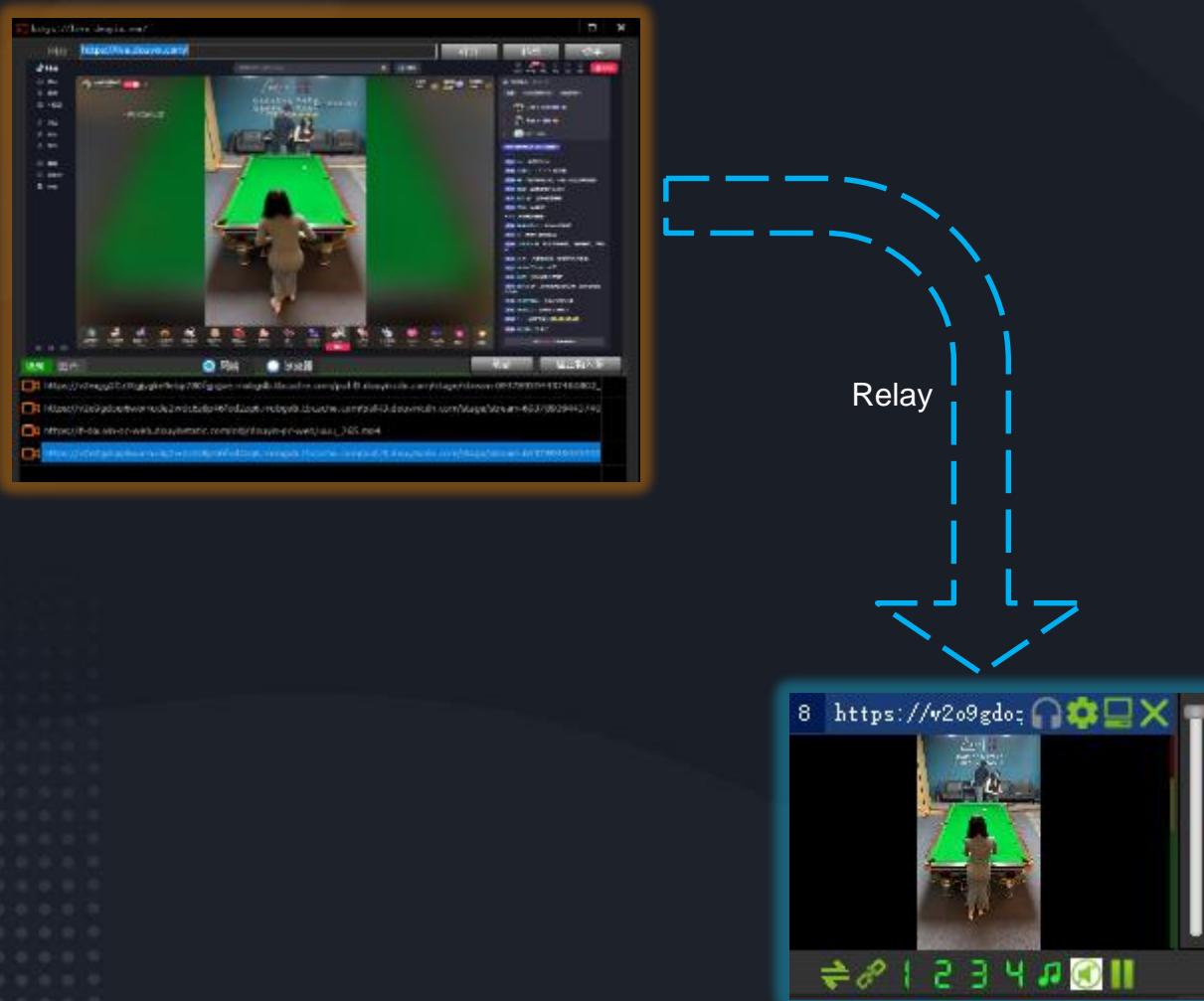
- Supports remote video calls via 4G/5G/Wi-Fi/wired networks with auto-adapting bandwidth and ultra-low latency (as low as 300ms).
- Direct integration with QQ and WeChat video call

Multi-Venue Access



- Supports primary/secondary venue modes for distributed production, enabling secondary-level broadcasting.
- Primary venues generate invitation codes for secondary venues to join securely.
- Facilitates two-way audio and video transmission.
- Multiple secondary venues can connect simultaneously and be displayed in a multi-screen layout.
- Compatible with remote computers, mobile devices, and tablets.

Short-Form Video Platform Integration



- Automatically extracts video and image lists from short-form video platform webpages for preview, download, and direct use as live sources.
- Supports rebroadcasting of live streams from platforms like TikTok and Youtube.

Auto-extraction

TikTok live

Youtube live

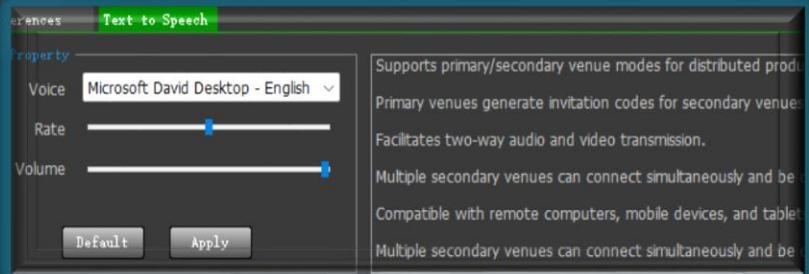
Desktop Lyrics Capture



- Captures on-screen lyrics from music players and overlays them on video feeds for seamless karaoke integration.
- Supports major platforms including QQ Music, NetEase Cloud Music, KuGou, and KuWo.
- Simultaneously captures audio from players via "internal recording" mixing for optimal sound quality.

Speech-to-Text & Text-to-Speech

Text-to-Speech



- Captures audio input (from microphones, cameras, or video files) and converts it to on-screen subtitles overlaid on the video feed.

- Generates audio from input text, routed to the mixer as an audio source. Supports multiple voice profiles (male/female) with adjustable speed and volume.

Speech-to Text



Virtual Set

- **One-Touch Keying:** Delivers high-quality chroma keying with precise detail preservation.
- **Multi-Camera Movement:** Simulates push/pull/pan/tilt lens effects for dynamic shots.
- **Real-Time Reflections:** Generates live person reflections and environmental refractions.
- **Flexible Keying Modes:** Supports chroma key, luma key, and green-screen-free keying.
- **Multi-Layout & Quick Views:** One-touch full-screen or panoramic scene switching.
- **Scene Editor:** Enables custom virtual set design and creation.



Close-up



Mid-shot



Full-view



Virtual Set Editor

Source Splitting



- Split & Control: Digitally divides a single camera feed into multiple independent sources for separate switching.
- Virtual Camera Movements: Applies pan, tilt, zoom, and push/pull effects to each split source.
- Multi-Angle Simulation: One camera replicates wide, medium, and close-up shots simultaneously.
- Scenario-Optimized:
 - Ideal for guest interviews: simulate multi-camera angles with one device.
 - Perfect for meetings: stream both overview and close-up views in parallel.

On-Screen Annotation & Transformation

Live Annotation



- Draw directly on video feeds using a mouse or stylus. Customize colors, line width, and other parameters. Annotations can be undone or cleared. Compatible with PVM and PGM windows.

- Instantly zoom, pan horizontally/vertically, and reposition shots to highlight details. Supports both PVM and PGM windows.

Dynamic Framing



Unlimited Layer Overlay

- Add unlimited sublayers to any input source, with free adjustment of size, position, and rotation.
- Includes pre-built templates for one-click layout arrangement.

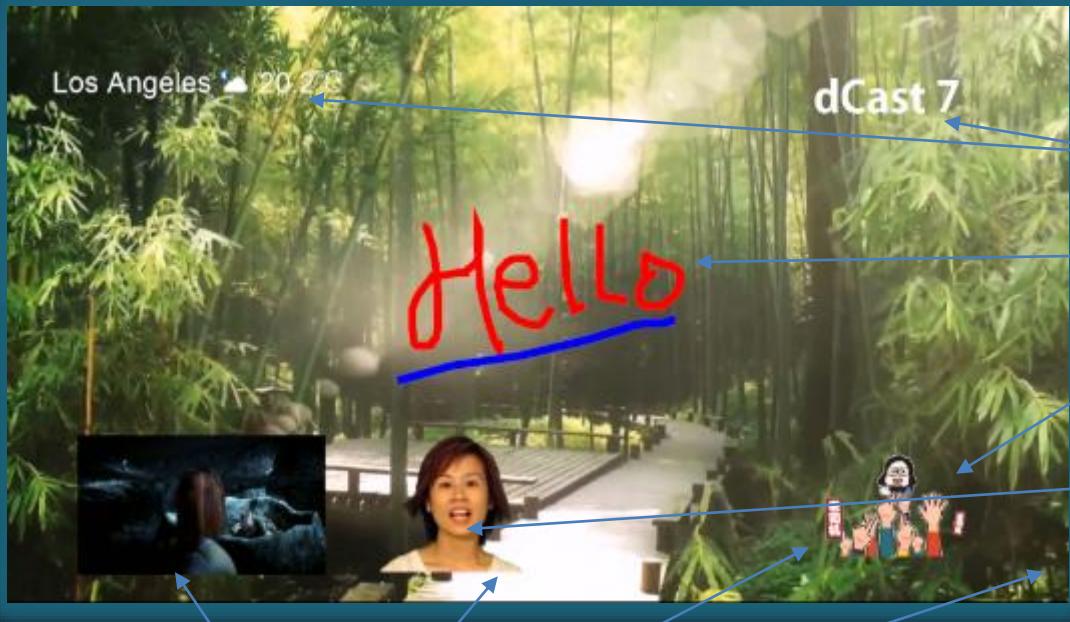
Unlimited
layer

Multi-
template

One click
arrangement



Unlimited PGM Overlay



Quick Titles

On Click Overlay

Any Position

Multi-type

Full-screen Handwriting

Background Effects

4 Overlay Areas

- **Overlay Zones:** PGM supports 4 video overlay zones and 1 audio overlay zone, allowing simultaneous integration of 4 video and 1 audio source.
- **Dynamic Subtitles:** Add unlimited subtitle layers, including text, images, videos, audio visualizations, and real-time weather displays.
- **Enhanced Atmosphere:** Overlay audio and video ambient effects to enrich production value.
- **Full-Screen Interactivity:** Includes a dedicated layer for full-screen handwriting input.

Graphics & Caption Packaging



- Offers both quick and animated caption styles, supporting global graphics or input source-bound captions.
- Includes lower thirds, clocks, weather displays, animations, tickers, and more.
- Provides templates for news, weather reports, concerts, sports events, and other scenarios.
- Supports NDI-based network graphics, enabling separate operation of broadcasting and caption packaging.

Two Styles

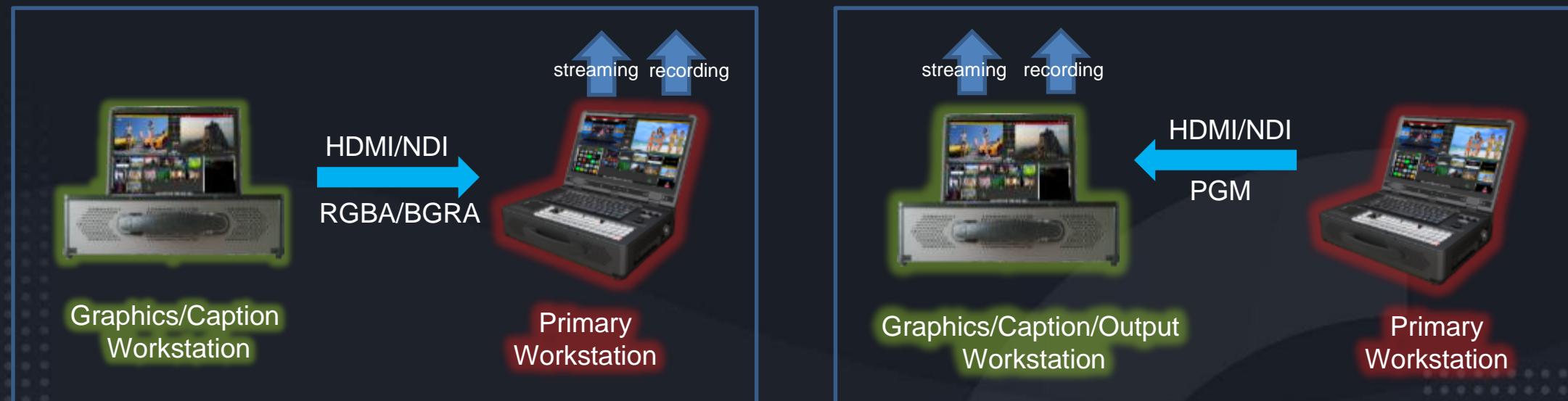
PGM Titles

Source
Titles

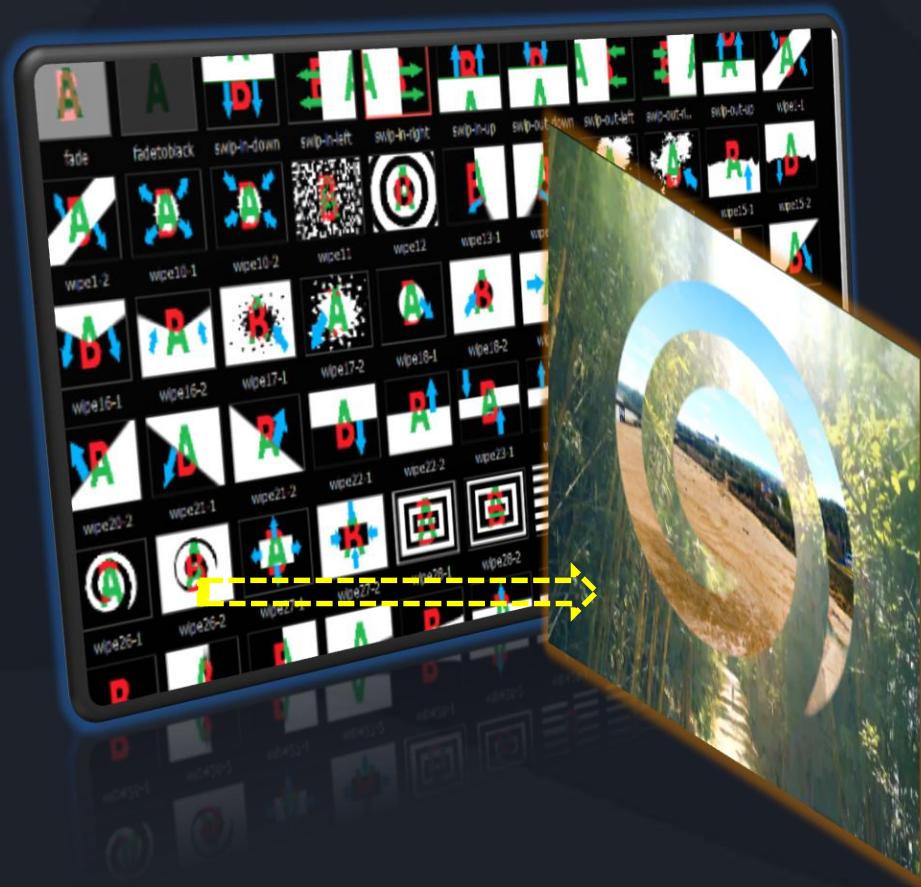
Multi-
Templates

Standalone Graphics & Caption Workstation

- Utilize two DS200 units: one as the primary workstation and the other as a dedicated graphics & caption workstation(or as a dedicated graphics & caption & output workstation). Connected via network or HDMI, this dual-setup allows simultaneous, independent operation of switching and title tasks — minimizing errors, eliminating workflow interference, and enhancing overall broadcast quality.



Transition Effects



- Features 70+ built-in transition effects including cuts, fades, zooms, slides, flies, and more.
- Offers 3 quick-access effects for instant switching via double-click.

Fade
In/Out

Zoom

Slide

Fly

Ambient Effects



- Trigger context-aware ambient effects during live broadcasts to enhance audience engagement.
- Includes audio, video, and 3D sprite effects. Supports user-uploaded custom effects.

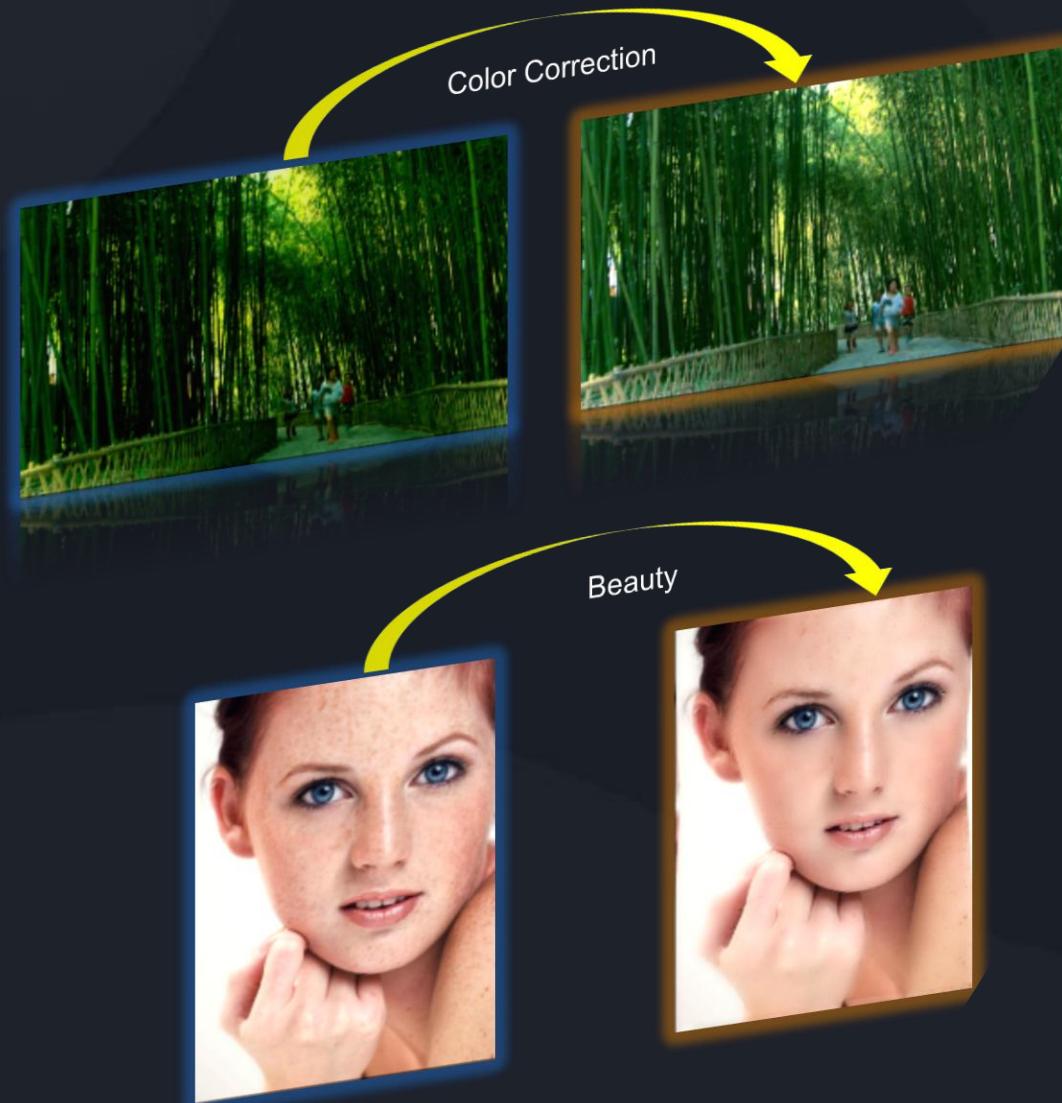


Audio
Effects

Video
Effects

User
Custom

Beauty & Color Correction



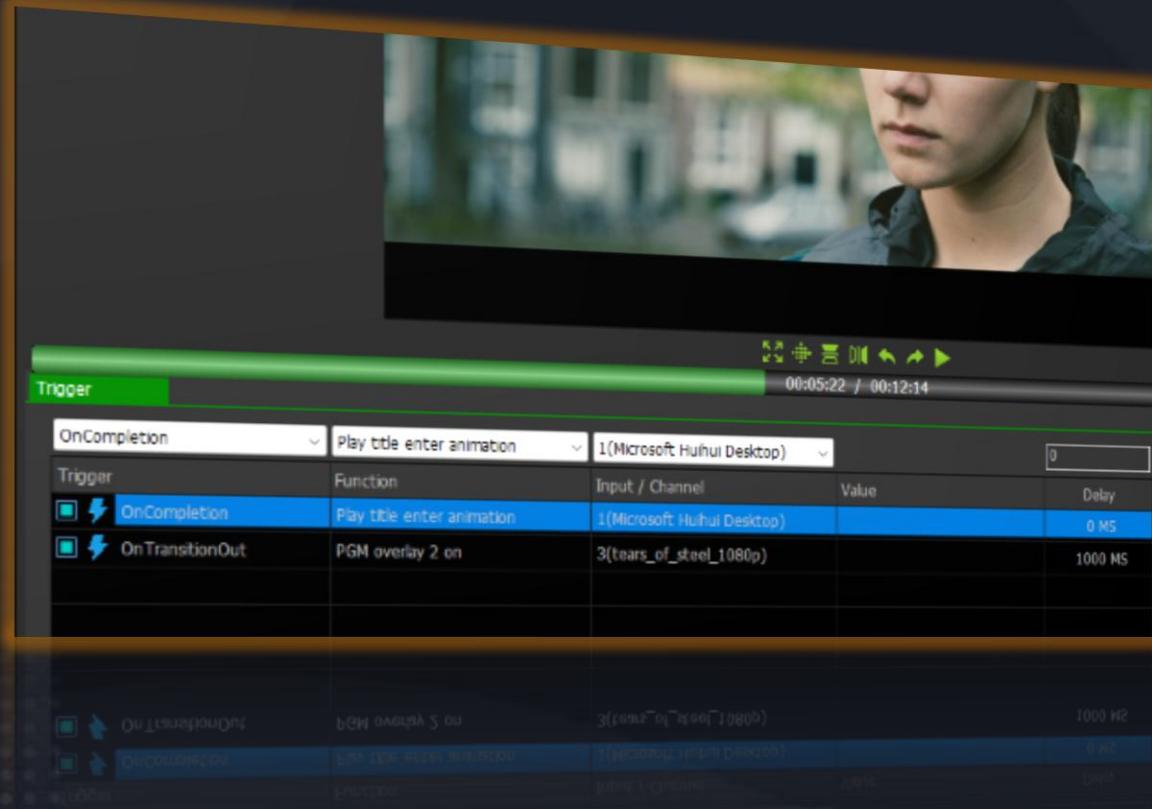
- **Multi-Channel Color Correction:** Simultaneously adjust parameters including red/green/blue channels, saturation, and color range.
- **Real-Time Beauty Enhancement:** Apply skin smoothing, brightening, face slimming, and eye enlarging effects across multiple channels.

Multi-Color
Correction

Multi-Beauty

AI Facial
Recognition

Trigger



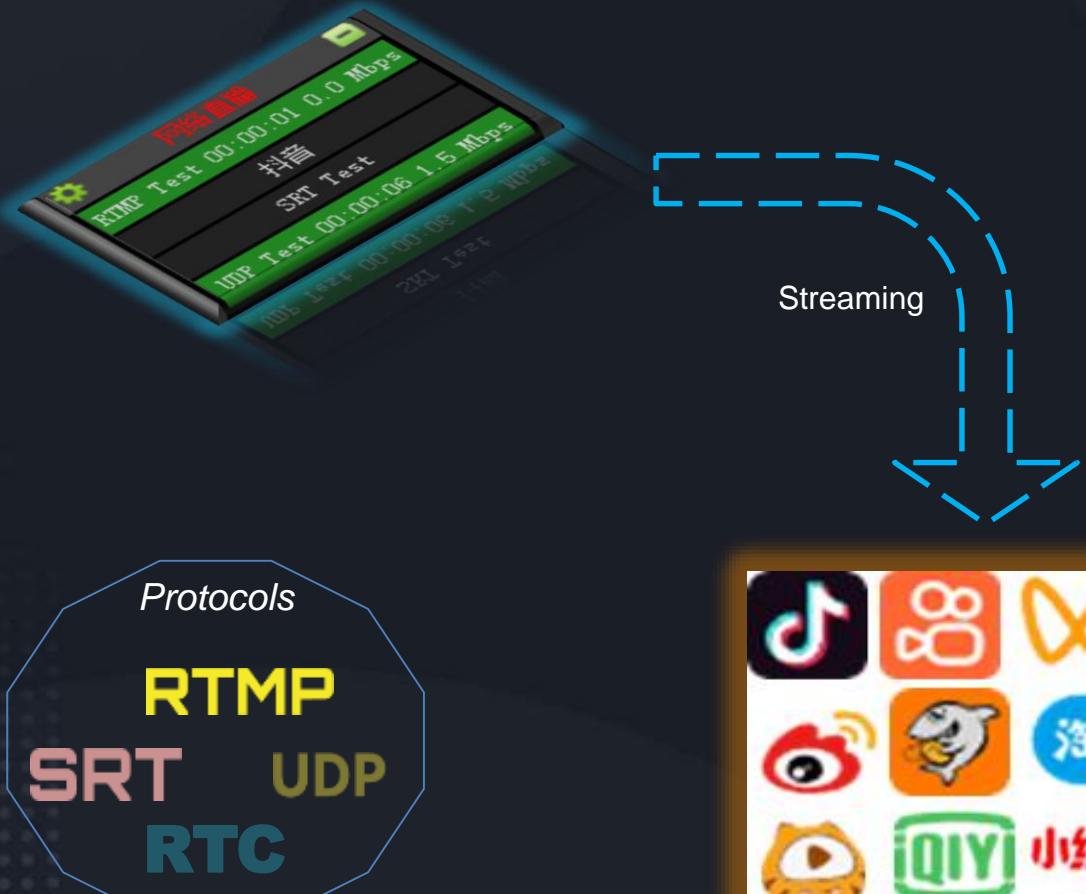
- Each channel supports multiple triggers for automated operations.
- Supports multiple events and triggers.
- Supports delayed triggering.

Multi-triggers

Multi-events

Delay triggering

Multi-Platform Streaming



- **Simultaneous Streaming:** Stream to multiple platforms concurrently with single-encode efficiency.
- **Protocol Support:** Compatible with RTMP, SRT, RTSP, UDP, WebRTC, and other streaming protocols.
- **Resource Optimization:** Sharing one encoder for both streaming and recording, with hardware encoding support.

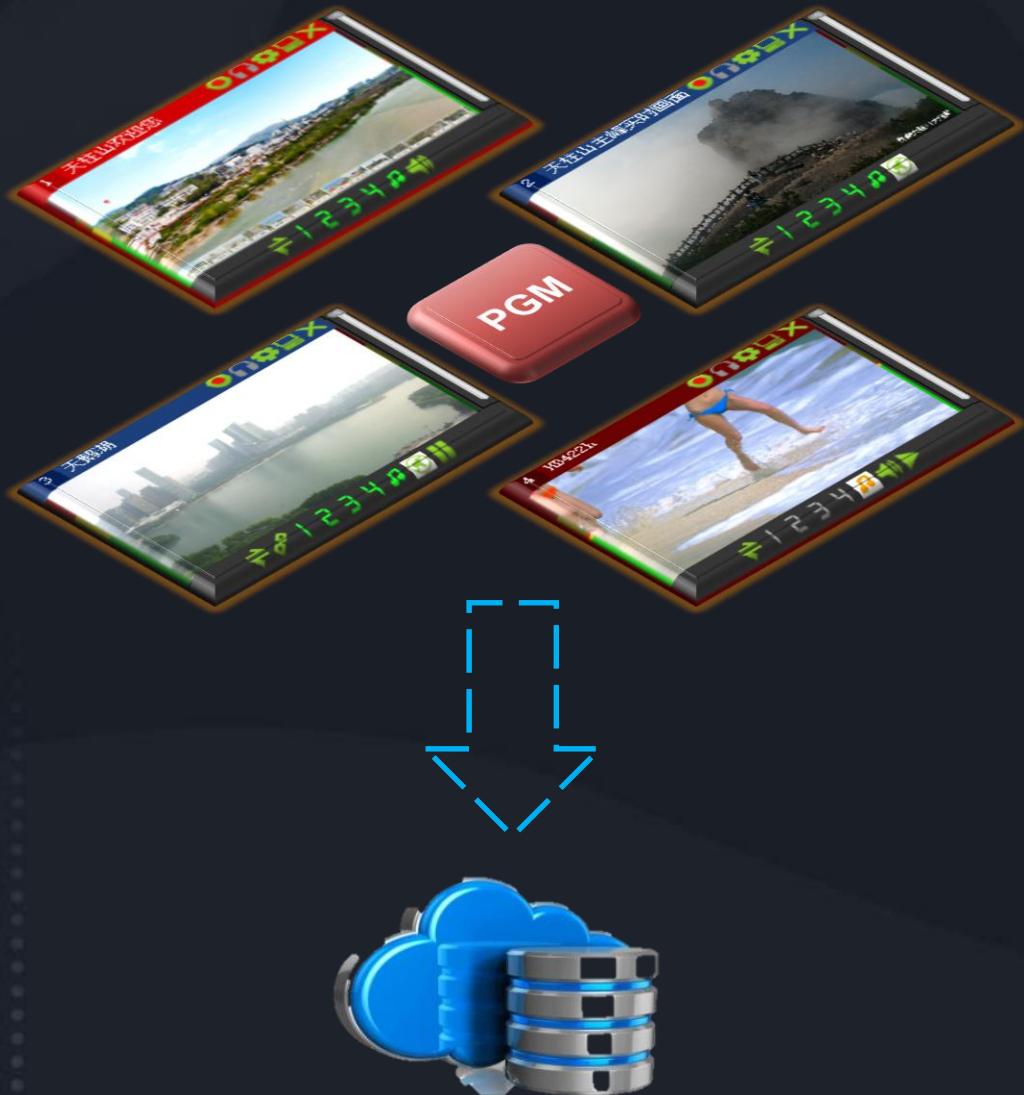
Multi-Platform

Multi-Protocol

Shared Encoder

Hardware Encoding

Multi-Channel Recording



- **Simultaneous Recording:** Capture both PGM output and individual input sources in multiple parallel channels.
- **Flexible Encoding:** Supports various encoding formats with hardware acceleration and segmented storage options.
- **Resource Efficiency:** Shares encoders between recording and streaming to optimize system performance.

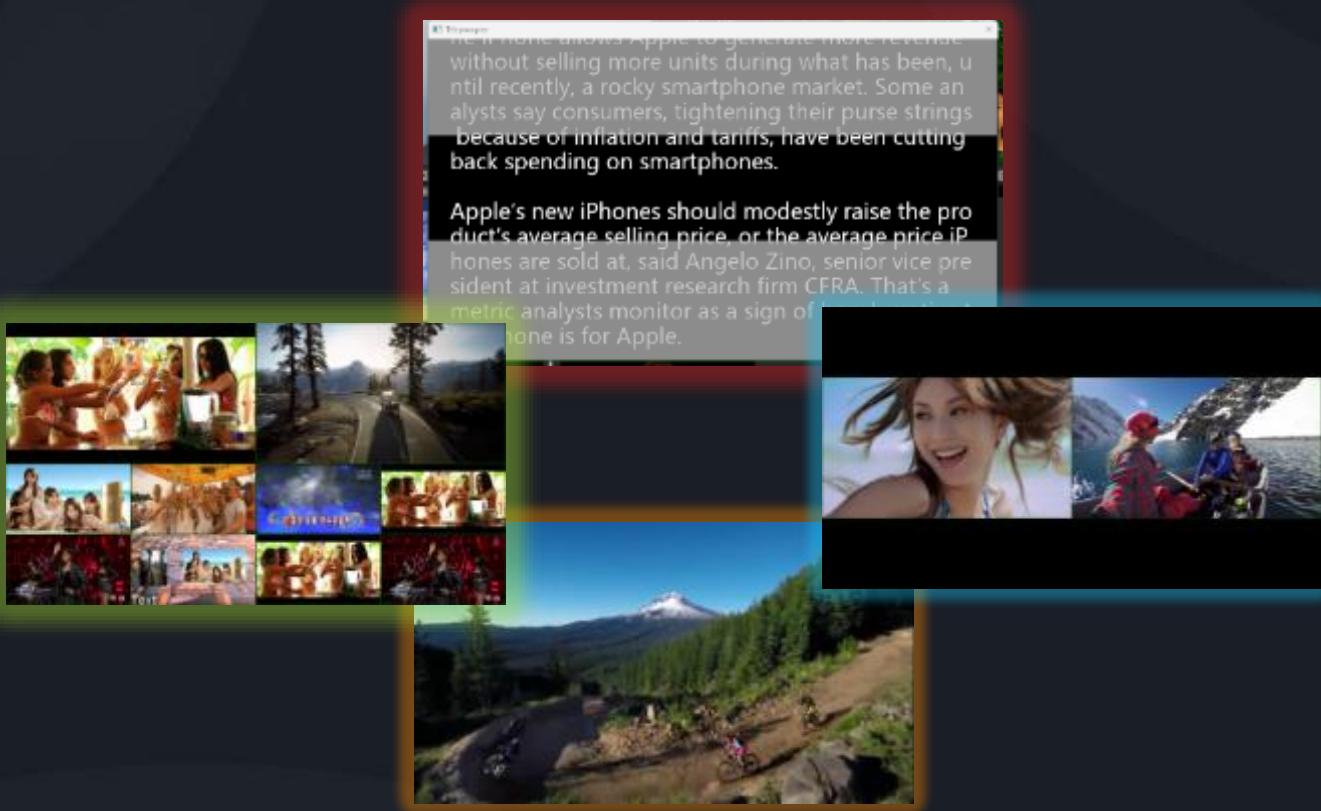
PGM
Recording

Source
Recording

Multi-Files
Save

Shared
Encoder

Screen Casting



- Supports multi-GPU and multi-port output via DVI/HDMI/DP interfaces
- Enables split-screen layouts with synchronized audio
- Includes professional teleprompter functionality.

Unlimited Casting

Multi-Layout

With Audio

PGM

PVM

PVMPGM

PVM PGM

Grid 4x4

Grid 5x5

Teleprompter

Virtual Output



My Virtual Video



Virtual Audio Cable



Virtual
Camera

Virtual
Audio

Multi-app
Shared

- Delivers produced video and audio to third-party applications via virtual camera and virtual audio devices, compatible with Tencent Meeting, Zoom Meetings, YouTube, TikTok and WeChat Channels.
- Supports both landscape and portrait output modes.
- Allows simultaneous connections from multiple applications to the virtual devices.

Independent Source Output



- Each input source can be output individually alongside the PGM signal.
- Supports multiple output methods including recording, streaming, screen casting, and NDI.
- Allows customizable resolution settings for recordings.
- Multiple sources can be output simultaneously, with the number of concurrent streams limited only by hardware resources.

Multi-
Methods

Multi-
Channels

Teleprompter Integration



- Supports horizontal and vertical mirroring modes, compatible with external monitors or traditional teleprompter devices.
- Adjustable scrolling speed and font customization.
- Features masking settings to help hosts focus on current content by reducing visual distractions.

Horizontal
Mirroring

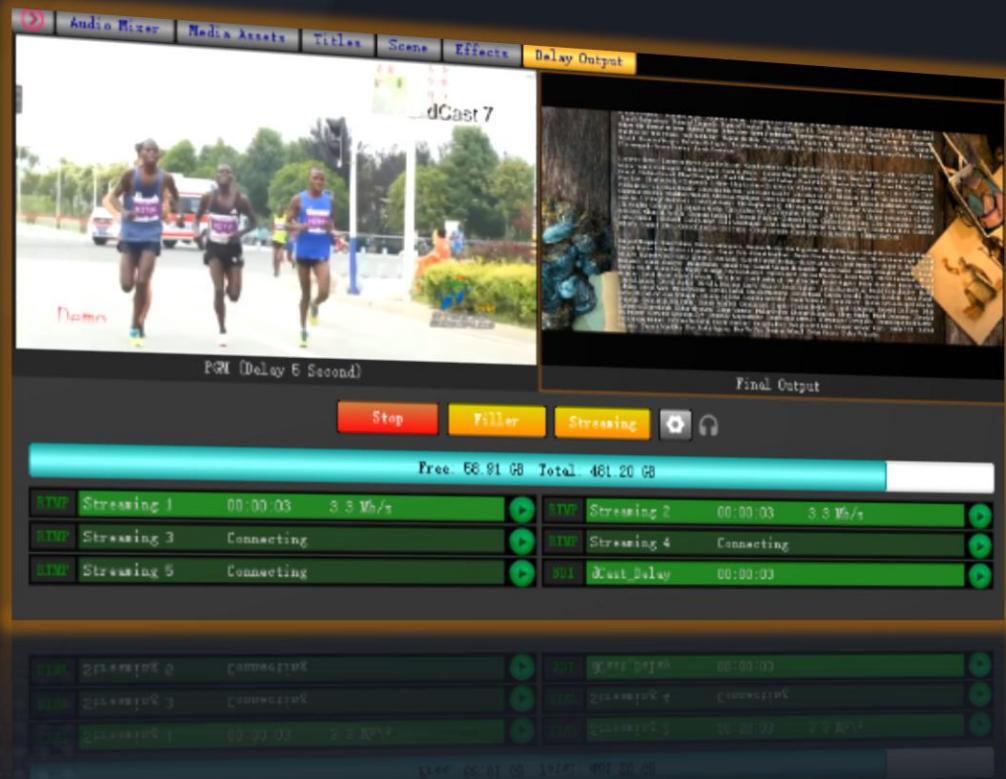
Vertical
Mirroring

Variable
Speed

Variable
Font

Masking

Delayed Output



- Adopts hard disk caching; the delay duration is only limited by disk space.
- Supports custom filler channels and one-click switch to filler content.
- Separate preview of the delay window and final output window simplifies filler switching operations.
- Delayed output supports multi-channel streaming and NDI.

Unlimited duration

Multi-preview

One-click filler

Multi-streaming

NDI delayed

Instant Replay



- Supports up to 4 cameras/input sources for playback.
- Multi-window preview with one-click switch between live preview and playback preview.
- Frame-accurate in and out point setting.
- Stepless adjustable playback speed.
- Supports multi-camera sequential playback or simultaneous multi-view playback.
- Multiple transition effects available for playback, supporting both image and video transition effects.

Up to 4 cameras

Multi-preview

In-out

Stepless speed

Multi-transition

Audio Mixer



- Multiple input audio sources can be freely mixed for output. Each channel supports exclusive or mixed output modes.
- Adjust levels separately for input sources, PGM main output, extended audio outputs, and monitor channels.
- Audio can follow video switching or operate independently.
- Connect external hardware mixers as exclusive primary audio sources.
- Apply noise suppression, gain adjustment, visualization, channel selection/merging, and audio-video synchronization calibration to input sources.

Multi-Mixing

PGM
Monitor

Source
Monitor

Input
Adjust

Output
Adjust

Remote Control



- Operate switching, recording, streaming, and more via any web browser.
- Real-time synchronization of broadcast status to the control interface.
- Compatible with mobile, tablet, or computer control.

WEB
Control

QR Code

Multi-
Device

PTZ & Virtual PTZ Control



- Supports Sony VISCA over IP, VISCA UDP, and other PTZ control protocols.
- Allows access to camera menus, and definition/recall of presets.
- Virtual PTZ Function: Enables pan, tilt, and zoom operations on any input source without physical PTZ hardware.
- Compatible with MIDI keyboards, joysticks, and game controllers for intuitive operation.

Multi-Protocol

16 Presets

Menu Support

Virtual PTZ

Tally Lights

Arduino Tally Lights



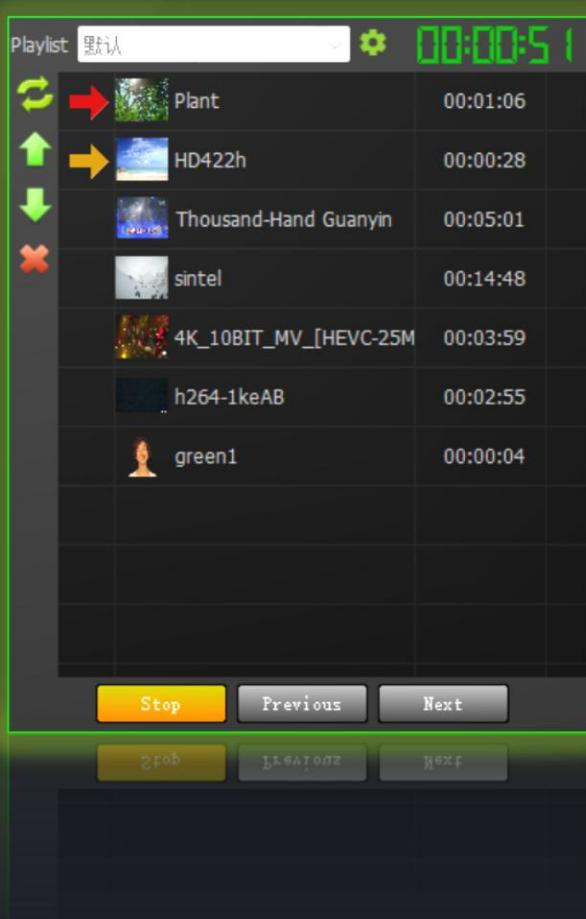
- **Arduino Tally Lights:** Support both serial port and network connectivity.

Web Tally Lights



- **Web Tally Lights:** Connect via QR code scanning, compatible with mobile devices, tablets, Raspberry Pi, and other portable devices to serve as tally lights.

Auto-Switching



- Automatically switches input sources based on playlist instructions, ideal for studios, campus TV stations, and cultural/tourism slow broadcasts.
- Supports timed, sequential, manual, and other playback modes.
- Validates program legality and skips items upon network interruption.
- Compatible with multiple playlists.

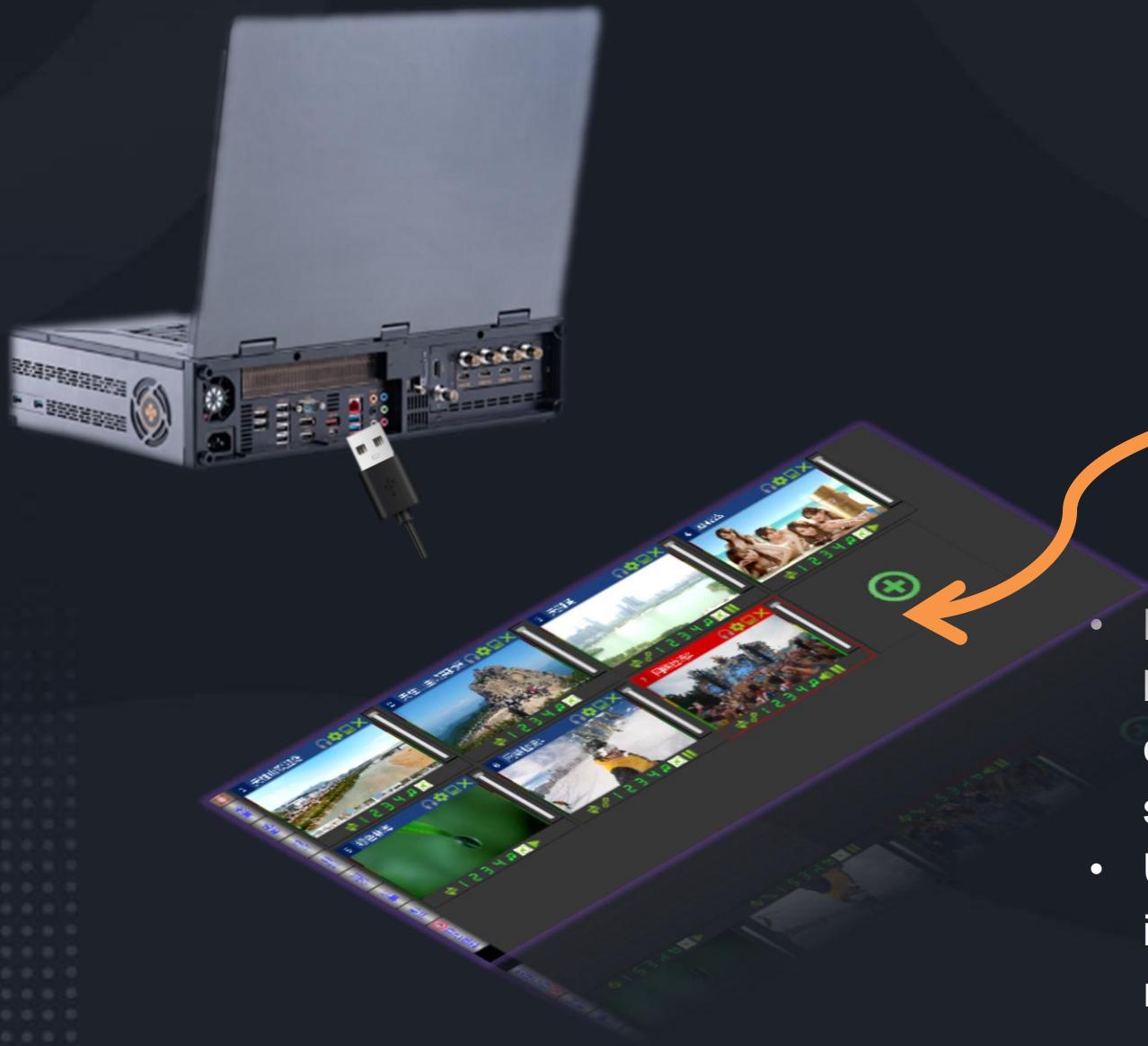
Slow
Broadcasting

Unattended

Looping

Safe

Hot-Swap Support



- **Hot-Swap Devices:** Microphones, speakers, displays, broadcast keyboards, and Tally lights can be connected/disconnected during operation without software restart. Status synchronizes automatically.
- **USB Plug-and-Play:** Cameras and microphones are immediately recognized when connected and removed from the source list when unplugged.

Multi-Layout Interface



- Supports 5 pre-configured interface layouts (including landscape and portrait modes), each tailored for specific scenarios. Switch on demand to optimize workflow efficiency.

Application Scenario – Live Event Coverage



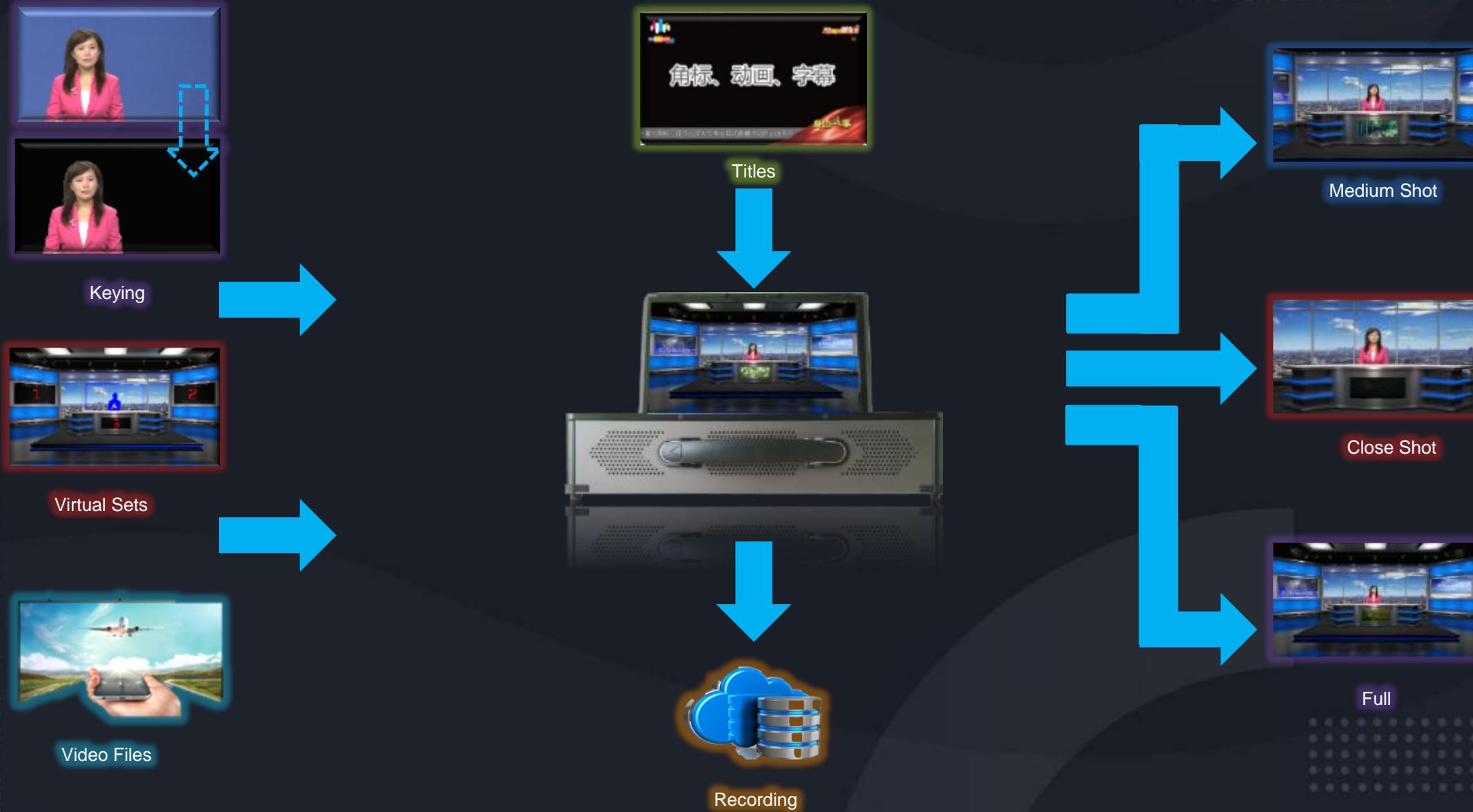
Application Scenario – Cultural & Tourism Slow Broadcast



Application Scenario – Campus TV Station



Application Scenario – Live Production





DingVideo Tech.

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