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## MULTIPLE FUNCTION SWITCHER

NDI®HX



AV OVER IP

**MFS-9N**

Interactive Touch Interface

• AV • MIX • PTZ • REC • PLAY • LIVE •



## TOUCH SCREEN NDI|HX SWITCHER

10.1" HD Touch Screen  
World First Touch Screen NDI Switcher

## MFS-9N

The compact size Multi-Function Switcher features a 10.1inches touch LCD multiview screen. It let you have a modern, intuitive and enjoyable control experience in live broadcast event.

The **flp™ MFS-9N** supports maximum 8 channels live visual audio inputs including NDI, IP streams, HDMI, microphones lines or USB media playback sources. Any NDI|HX camera can be connected easily by just a network cable. A remote multiple camera live production system is all under your control.

The efficient AV over IP network technology level up your video production workflow and live broadcast than ever before!



**VIDEO TRANSITION** Switch between videos by direct cut, fade-in fade-out dissolve or exciting wipe pattern transition effects.



**AUDIO MIXING** Built-in with audio mixer for all channels including embedded audio and external analog microphones. Convenient channel ON/OFF and audio-video delay adjustment is available.



**RECORDER** Store your output programs to any USB storage media just by a key-click.



**MEDIA PLAYER** You can playback your video from external USB media and use it as video sources during live production.



**CAMERA CONTROL** With the 4D Joystick and knobs, you can remote control cameras. Manipulate Pan-Tilt-Zoom, focus, recalling white balance, shutter speeds and preset shooting locations etc.



**PIP LAYOUT** Use Picture-in-Picture or Side-by-Side layout to demonstrate your messages clearly in your presentation.



**LOGO and SUBTITLE** Support user customized content overlays, logo and subtitles



**LIVE STREAMING** Broadcast via ethernet/internet is the most powerful function nowadays for delivering your contents. Support common CDN platform such as Facebook, Youtube etc.



SWITCH  
RECORD  
STREAM  
PTZ CAM



MFS-9N

MULTI-FUNCTION  
8-CHANNELS  
A/V SWITCHER

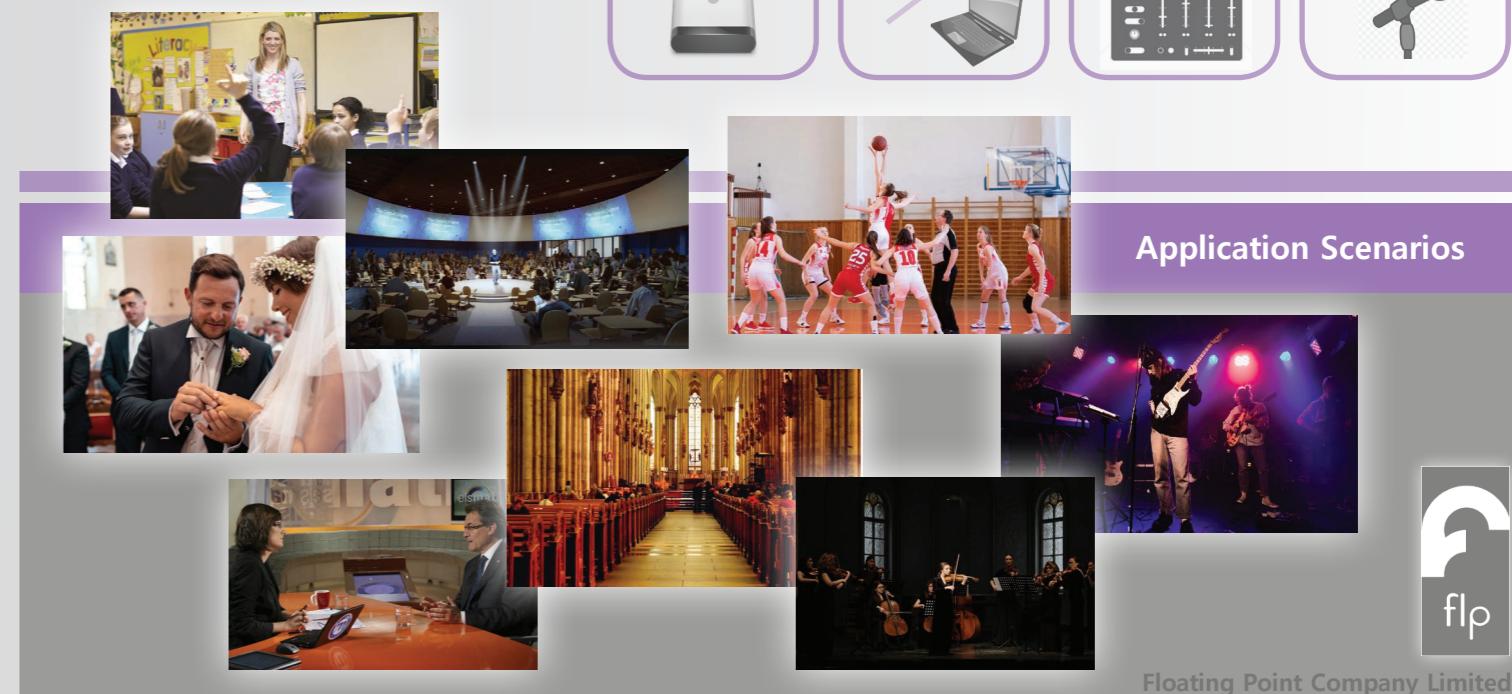
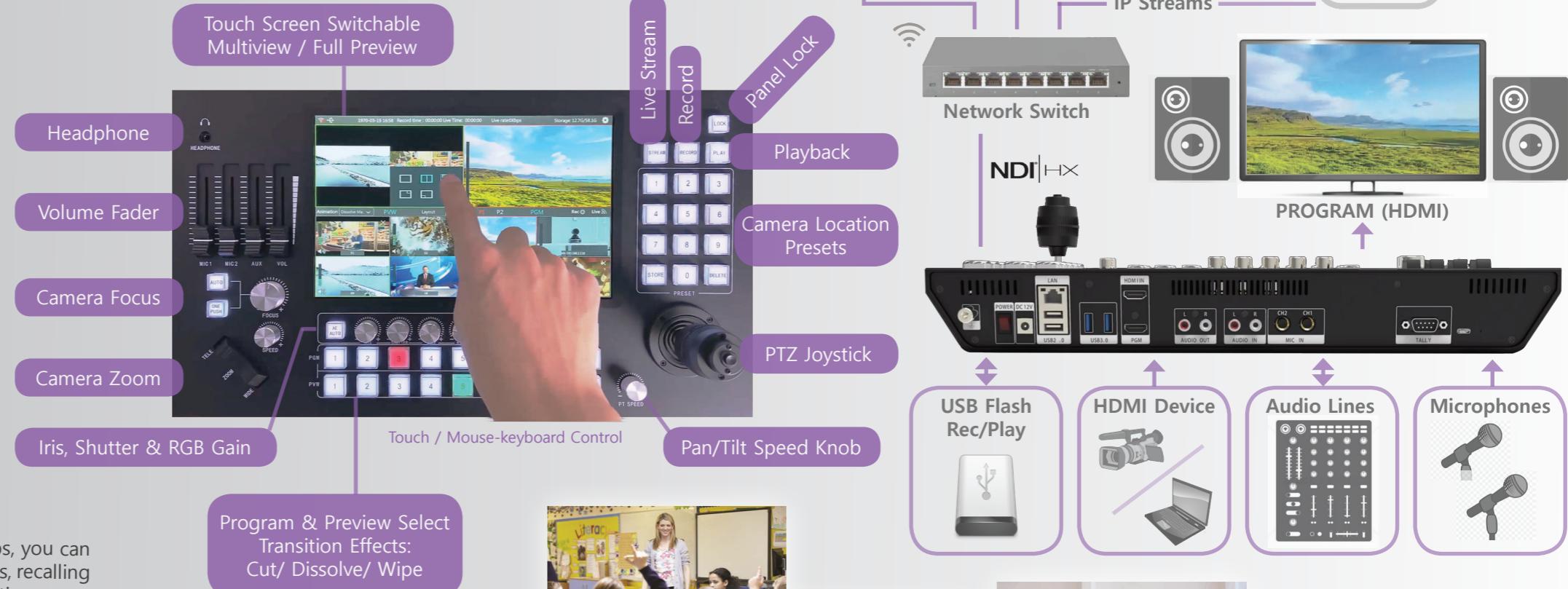
Camera PTZ Control



YouTube

facebook

WOWZA  
media systems



Application Scenarios



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## SPECIFICATIONS

Model	MFS-9N
Screen Display	10.1" IPS Full HD LCD Touch Screen.
Video Format	Max. 1920x1080/60P 4:2:2 10bit
Video Inputs Connection	8CH video Streams, 1CH HDMI, 1CH Local Video(USB)
Video Outputs Connection	2CH video Streams, 1CH HDMI & 1CH Local Video(USB)
Audio Format	AAC 48kHz
Audio Input Connection	8CH Embedded in Video, Unbalanced Stereo RCA*1, TRS 6.3mm*2,
Audio Output Connection	Unbalanced Stereo RCA*1, Embedded in Video
Network	RJ45*1 Ethernet. Protocol: NDI HX, RTSP, RTMP, Onvif, HLS etc.
Live Stream Encoding	H.264, RTMP
Live Stream Bitrate	512Kbps~16Mbps, CBR. Mainstream: Max. 1920x1080/60p; Sub-stream: Max 1280x720/60p
A/V Transition Control	Buttons & knobs, Touch Screen UI; Video Transition with effects, Audio Control Faders
Subtitle Overlay	Support, Fix or Rolling Title
Logo Overlay	Support PNG, JPG 1920x1080
Tally	DB9 Output, NDI HX
USB Port	USB3.0*2, USB2.0*2
Video Recording Format	MP4, Max. Resolution: 1920x1080, Max Bit Rate: 20MB/s
Camera Control	NDI HX, VISCA. Support Pan, Tilt, Zoom, Focus, Exposure, White Balance, Preset Positions
Power Supply	DC12V, 3A
Rated Power	36W
Operating Temperature	0°C~40°C
Storage Temperature	-10°C~50°C
Dimension	Main Unit: 420*258*122mm Packing: 480*320*145mm
Weight	Net Weight: 3.1Kg, Gross Weight: 9Kg
Supplied Accessories	Main Unit, Power Adaptor, HDMI Cable*1, User Manual

Specifications are subject to change without prior notice

### About NDI

Network Device Interface (NDI) is a high performance standard that allows anyone to use real time, ultra low latency video on existing IP video networks. NDI permits systems, devices and applications to identify and communicate bi-directionally with one another over IP, and to capture, transmit, and receive multiple streams of high quality video and audio in real time.

Enable any device to output low bandwidth video with NDI®|HX. Optimized for high-efficiency transfer of video for limited bandwidth environments.

NDI® is a registered trademark of NewTek, Inc.



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