SPROLINK®

CREATIVE VIDEO REVOLUTION



NeoLIVE N5/N5S

5-CH LIVE STREAMING SWITCHER
HDMI/SDI/Multi-Functional Input

www.sprolink.com

Overview

The NeoLIVE N5 series introduces a newly upgraded multifunctional broadcast switcher with a new laptop-style design. It features a 10.1-inch flip-up touch screen, and the N5S model includes 8 inputs with 4 x inputs as input option, which is 4 x SDI and 4 x HDMI inputs. The N5 model has 4 HDMI inputs, with the first two input supporting 4K, and both models come with 2 HDMI output ports. Additionally, the N5S model is equipped with 1 x SDI output port. Both models support NDI(Optional) input, and MV preview output, along with recording. The built-in hardware streaming engine is compatible with various streaming software to deliver high-quality multi-camera production for multi-platform live streaming.

Key Features Overview

- 10.1-inch Flip-up for Easy Operation
- Support SUPER SOURCE Source Output
- Support NDI(Optional) Input with Low-Latency Video via Ethernet
- N5S Features 4 in 8 optional Input channels (4 x SDI and 4 x HDMI)
- Support Type-C USB 3.0 Lossless Capture
- Support 4K Input for More Signal Sources Connection
- UVC Camera & Remote Camera Access
- Built-in Media Player for Direct Playback & Serve As Input Sources
- Supports PGM output and variable channel MV output
- Supports USB & HDD Recording
- Built-in Portrait & Landscape Screen Rotation & Switch
- Built-in Web Server for Remote Control
- Support Dual Channel Stream via Ethernet

Features

N5S Features 4 in 8 optional Input channels (4 x SDI and 4 x HDMI)

With 4 x 3G-SDI ports and 4 HDMI ports, the N5S allows 4 x flexible input options from the 8 x inputs , offering more application versatility. HDMI ports 1 and 2 support 4K input.



Supports NDI(Optional) Input

The NeoLIVE N5 Series supports NDI(Optional) input, which allows for low-latency video acquisition via Ethernet cable, simplifying the cabling process.



Multi-functional Input Ports

The NeoLIVE N5 Series features a multi-functional input port that can directly play media from USB drives, accept UVC camera input without conversion, and supports NDI(Optional), SRT, and RTMP stream. This allows remote video streams to be pulled into the switcher as an input source, enabling live streaming of remote content.



N5S Support 3xOutput and Multi-Angle Monitoring

The NeoLIVE N5 series features dual HDMI outputs and 1 x SDI output, allowing separate PGM and MV outputs. This setup enables up to three display terminals to be used simultaneously, making it ideal for live scenarios that require multi-monitor viewing.



Dual Channel Live Streaming

The NeoLIVE N5 Series built-in hardware streaming engine allows streaming directly through Ethernet without a computer. Once you’ ve selected your live streaming platform, simply enter the streaming key into the built-in web server to stream in high quality on platforms like TikTok, Instagram, YouTube, or Facebook with no frame drops.



Built-in Media Playback

The NeoLIVE N5 Series includes a built-in media player that can play videos from storage devices and use those videos as input sources.



USB Drive and External Hard Drive Video Recording

The NeoLIVE N5 Series allows for direct recording of live video and audio into USB drives or external hard drives, making post-event editing easier and allowing for long-term storage or documentation.



Multiple Transition Effects

The NeoLIVE N5 Series offers a variety of transition effects, including FADE, WIPE, DIP, and DVE. It also has a duration button to adjust transitions from 0.5 to 1.5 seconds, creating smooth scene changes.



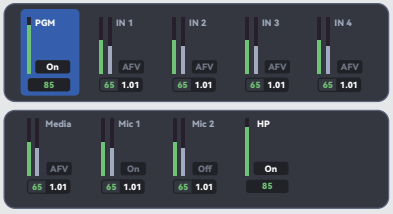
USB Import of Image Files

You can import image files directly from a USB drive, supporting JPG and PNG formats, which reduces the hassle of multiple devices.



Built-in Mixer for Real-time Audio Mixing

The NeoLIVE N5 Series includes a professional audio mixer, supporting both AFV and MIX audio modes, allowing for seamless mixing of HDMI embedded audio and external audio sources.



Audio Input Interface for Monitoring

Equipped with a headphone monitoring interface, the NeoLIVE N5 Series allows real-time monitoring of any input or output audio channel.



Virtual Chroma Key Algorithm

The NeoLIVE N5 Series is equipped with a powerful film-grade chroma key algorithm, allowing precise control by sampling background colors using a color picker. This is especially useful for news broadcasts or live presentations.



Joystick PTZ Camera Control

It supports up to four PTZ cameras control, allowing for smooth multi-camera switching with joystick control.



Application Scenarios

E-commerce live streaming

NeoLIVE N5 Series is the best choice for E-commercial live streaming studio, which can realize multi-scene switching during the product presentation online, and it is compact and portable design make it more flexible in the room-limited studio room.



Various Event Performances

The lightweight nature of the NeoLIVE N5 Series makes it easy to transport and deploy for various events and performances. It comes with built-in scene presets that can be easily accessed and saved. Additionally, it can record a series of instructional videos, which can be copied to a USB drive or external hard drive for future use.



Conference Presentation

In Corporate Conference, NeoLIVE N5 Series can support multi-scene switching, like one camera as close-up view, and the other as wide-angle view, and one computer for PPT presentation,and it also support PIP, which can enhance better visual experience.



Education Training

The NeoLIVE N5 Series can create virtual teaching scenarios to meet the needs of online education by using multi-camera setups and its one-click chroma key function. Additionally, it can copy a series of recorded educational videos to a USB drive or external hard drive using its live production solution.





NeoLIVE N5



NeoLIVE N5S

Specification parameter

		N5		N5S
Interface	Input	HDMI2.0x2 4K Input Interfaces HDMI1.3x2 1080P Input Interfaces USB-A2.0 Video Playback/File Loading UVC Input		3G-SDIx4 1080p Input Interfaces HDMI2.0x2 4K Input Interfaces HDMI1.3x2 1080P Input Interfaces USB-A2.0 Video Playback/File Loading/UVC Input
	Output	HDMI1.3x1 PVW / PGM / PST Output HDMI1.3x1 MVOutput USB-C 3.0 UVC Output Port		3G-SDIx1 PGM Output HDMI1.3x1 PVW / PGM / PST Output HDMI1.3x1 MV Output USB-C 3.0 UVC Output Port
	Audio	MIC IN PHONES	2x3.5mm Stereo Jack 1x3.5mm Stereo Jack	Compatible with MIC/Line Input Audio Monitoring
	Control	LAN	1xRJ45	LAN Control / Stream / PTZ Control
Input Resolution	SDI HDMI			720p50/60、1080i50/60 、1080p24/30/50/60 720p50、720p59.94、720p60、1080p23.98、 1080p24、 1080p25 1080p29.97、1080p30、 1080p50、 1080p59.94、1080p60、1080i50 1080i59.94、1080i60 （HDMI IN1/IN2）2160p30/50/60
Output Resolution	SDI	SMPTE	1080p24/25/30/48/50/60，1080i50/60	
	HDMI	SMPTE	1080p24/25/30/48/50/60，1080i50/60	
	USB3.0	Video Streaming	1080p24/25/30/48/50/60	
Performance	Video sampling	YUV 4:4:4		
	Machine delay	<3 Frames		
	Audio delay	0-500ms (0-30/25 frame)		
Power	Input power supply	12V/2A		
	Constant power	20W		
Work Environment	Operating temperature	0℃~70℃		
	Working humidity	10%~85%		
Weight	Equipment weight	2.1kg		
	Packing weight	3.2kg		
Size	Equipment size 250mm x 206mm x 63mm			

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