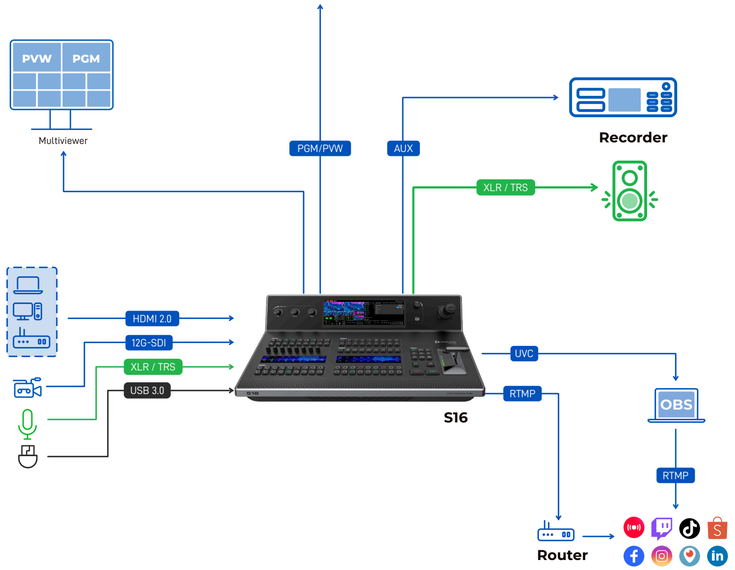
APPLICATIONS



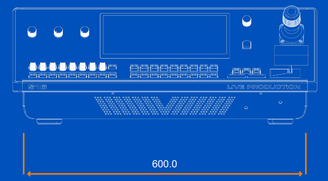
Audio

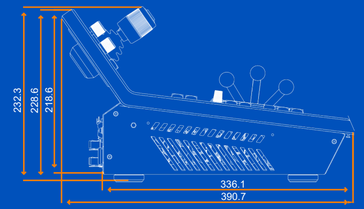
Video

USB

* S16 and S12 share the same application scenario. Here, S16 is used as an example for illustration.

Dimensions





Unit: mm

Specifications

		S12	S16
Connectivity and Performance	Input	12x 12G SDI+4x HDMI 2.0 (choose 12 from 16)	16x 12G SDI+4x HDMI 2.0 (choose 16 from 20)
	Output	2x HDMI 2.0/12G SDI (copy)	
	Multiviewer	1x HDMI 2.0, 1x 12G SDI	
	AUX	8x 12G SDI+4x HDMI 2.0	
	Streaming	1x USB 3.0 (Type-C), up to 1080p@60Hz 4x RTMP streaming	
	Audio	Input: 2x XLR/TRS (6.35 mm) Output: 2x XLR + 1x 6.35 mm TRS analog monitoring + 2x Dante digital audio (optional)	
	Layer	1x BKGD, 4x Upstream keyers, 2x Downstream keyers, 1x SuperSource	
	Transition	MIX, DIP, WIPE	
Physical	Net Weight	13 kg	
	Gross Weight	17.5 kg	
	Product Diemensions	600.0 mm × 390.7 mm × 232.3 mm	
	Packaging Diemensions	Paper box (standard): 720.0 mm × 515.0 mm × 340.0 mm Flight case (optional): 880.2 mm × 510.0 mm × 335.0 mm	
Environment	Operation	Temperature: 0~40°C; Humidity: 5%~85%, non-condensing	
	Storage	Temperature: -20~70°C; Humidity: 5%~95%, non-condensing	
Power	Power Connector	100-240V~, 10A, 50/60Hz	
	Max Consumption	175 W	
Noise on Average (typical at 25°C/77°F)		40 dB (A)	
Packing Information		1x Power cable 1x HDMI cable 1x Cat5e cable 1x Gooseneck light	1x Quick Start Guide 1x Safety Manual 1x Certificate of Approval 1x Customer Letter

PIXELHUE

www.pixelhue.com
info@pixelhue.com
1201A, 8 Caihefang Road, Haidian District, Beijing, China

Note:
Specifications subject to change without prior notice.

S Series_EN_2025-07-30

PIXELHUE

LIVE PRODUCTION SWITCHER

S12 Advanced Edition
S16 Flagship Edition

IMAGINATION IN YOUR UNISON

Versatile All-In-One

S16 / S12

Live Production Switcher

Introducing the S series, state-of-the-art live production switchers, integrated into a sleek control panel, perfect for professional tasks with unrivaled portability. Featuring up to 16 SDI and 4 HDMI inputs, UVC (USB Video Class)/RTMP, AUX outputs, 4 upstream keyers, 2 downstream keyers, SuperSource, BKGD, media players, and various transitions like MIX, DIP, and WIPE. The live production switchers include built-in streaming, recording, audio mixer, and Multiviewer. The Flagship Edition boasts up to 16 12G-SDI inputs, offering unmatched editing flexibility as a market-leading feature. Built on Pixelhue's years of expertise, both our editions cater to your live event needs, ensuring flawless execution for small venues, corporate events, entertainment and cultural occasions, sports events, houses of worships, education and training, esports and gaming, personal studios, freelancers, or broadcast vans.

S12

S16

Full 4K Workflow

Upgrade Your Productions

Enjoy a comprehensive 4K input and output setup, allowing you to connect 4K cameras and feed 4K displays. Adaptive inputs accommodate 4K and lower resolutions, making clarity the new standard. Flexible output configurations support UHD and HD scaling, with customizable resolution options to meet the exact requirements of your event.

Versatile AV Connectivity

Rich IO Connectors & Layer Resources for Powerful AV Connectivity

Versatile built-in AV connectivity offers comprehensive I/O capabilities for seamless handling of daily production tasks in a single compact unit. The Flagship Edition even comes with 20 connecors and 16 channels, surpassing competitors in its class. With Hybrid connector (SDI+HDMI) compatibility, it adapts to a wide range of equipment for various scenarios. Leading the industry in layer resources, it includes a BKGD, 4 upstream keyers, 2 downstrem keyers, and a SuperSource, allowing boundless creative opportunities.

All-Purpose Streaming

Connect Global Audience

Seamlessly connect to global audiences with support for major international streaming platforms and the capability for four simultaneous RTMP streams. Leading the market with a maximum 1080p UVC output, it handles live streaming and online editing tasks with ease.

Functional 10.25-inch LCD

Facilitate Intuitive Control of Your Workflow

Experience professional-grade monitoring, allowing for comprehensive on-site adjustments and ensuring flawless event readiness. Seamlessly control your workflow using the LCD menu operations specifically designed for live productions, monitor live videos, switch presets, access audio mixer and much more, streamlining your worflow for maximum efficiency.

Elabrated Control Panel

Effortless Control and Live Productions at Your Fingertips

Both our editions come equipped with a rich array of tactile buttons and controls, seamlessly complementing the the LCD screen to enhance your workflow. The audio area allows for effortless audio mixing, while the video area ensures smooth and reliable video routing. Easily manage versatile transitions with the dedicated transition buttons. The comprehensive controls, including knobs, faders, T-bar, and joystick, along with status indicators, provide intuitive and precise management over every aspect of your productions. Unleash your creative potential with unmatched control and sophisticated design.

Premium Industrial Design

Stylish Meets Technology

Featuring a minimalist and technology-forward design, the switchers integrate a LCD screen display and streamlined appearance. User-friendly button arrangements and meticulous details provide a smooth and efficient operating experience. The easy disassembly design concept ensures easy maintenance and straightforward component replacement, providing reliability and convenience for your productions.

KEY FEATURES

- Built-in 10.25-inch LCD display
- Up to 16 (Flagship) and 12 (Advanced) 12G-SDI inputs, and up to 4x HDMI 2.0 inputs
- HDMI 2.0 and 12G-SDI for main, AUX and Multiviewer (independent/copy) outputs
- End-to-end 4K
- 1x USB3.0 (Type-C) for 1080p@60Hz streaming (H.264)
- Simultaneous streaming to a variety of live streaming platforms via 4x RTMP, such as YouTube, Facebook, instagram, linkedin, etc.
- Audio: 2x XLR/TRS inputs, 2x XLR outputs, 1x TRS output, 2x Dante input and output
- One-click recording
- 16x 12G-SDI (Flagship), connecting up to 16 camera inputs with embedded audio
- Comprehensive layer adjustments, including scaling, cropping, color adjustment, keying, layout, mask, border and shadow
- Various transition effects, such as MIX, DIP, and WIPE
- 8-direction joystick for controlling PTZ cameras (via the Visca over IP protocol) and layers
- Flexible keying options: 4x Upstream keyers, 2x Downstream keyers, 1x SuperSource, 1x BKGD
- Versatile input options: Easily select and play video from local files, network streams, or UVC cameras
- Up to 20 presets
- Tally support: Tally indicators on Multiviewer and camera help you know when each source is on-air
- Dual media players: Play media with transparency for output as layers, or keying effects
- Precise audio control by adjusting equalizer and dynamics for optimal sound
- Timecode acquisition and generation support
- Genlock support for syncing to the broadcast systems
- Complete redundant backup for the input and output
- Easy and worry-free maintenance and repair
- Designed to ensure 24/7 stable operation