S16
LIVE PRODUCTION
SWITCHER

PIXELHUE

Versatile All-In-One

Live Production Switcher

Introducing the S16, state-of-the-art 4K live production switcher, 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 S16 includes built-in streaming, recording, audio mixer, and Multiviewer. Boasting up to 16 12G-SDI inputs, the S16 offers unmatched editing flexibility as a market-leading feature. Built on Pixelhue's years of expertise, our live production switcher caters 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.

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 S16 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

The S16 comes 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 S16 integrates 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 16x 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, connecting up to 16 camera inputs with embedded audio
- Comprehensive keyer 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 ONVIF and VISCA over IP protocols) and keyers
- 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 keyers, 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
- Screen brightness adjustment
- Easy and worry-free maintenance and repair
- Designed to ensure 24/7 stable operation

APPLICATIONS

Upstream Key
Upstream Key
Upstream Key
Upstream Key
Downstream Key
Downstream Key

PVW | PGM

Multiviewer

Recorder

PGM/PVW

AUX

XLR / TRS

HDMI 2.0

12G-SDI

XLR / TRS

USB 3.0

UVC

RTMP

OBS

S16

RTMP

Router

Audio **Video** **USB**

Dimensions

232.3 228.6 218.6

600.0

336.1

390.7

Unit: mm
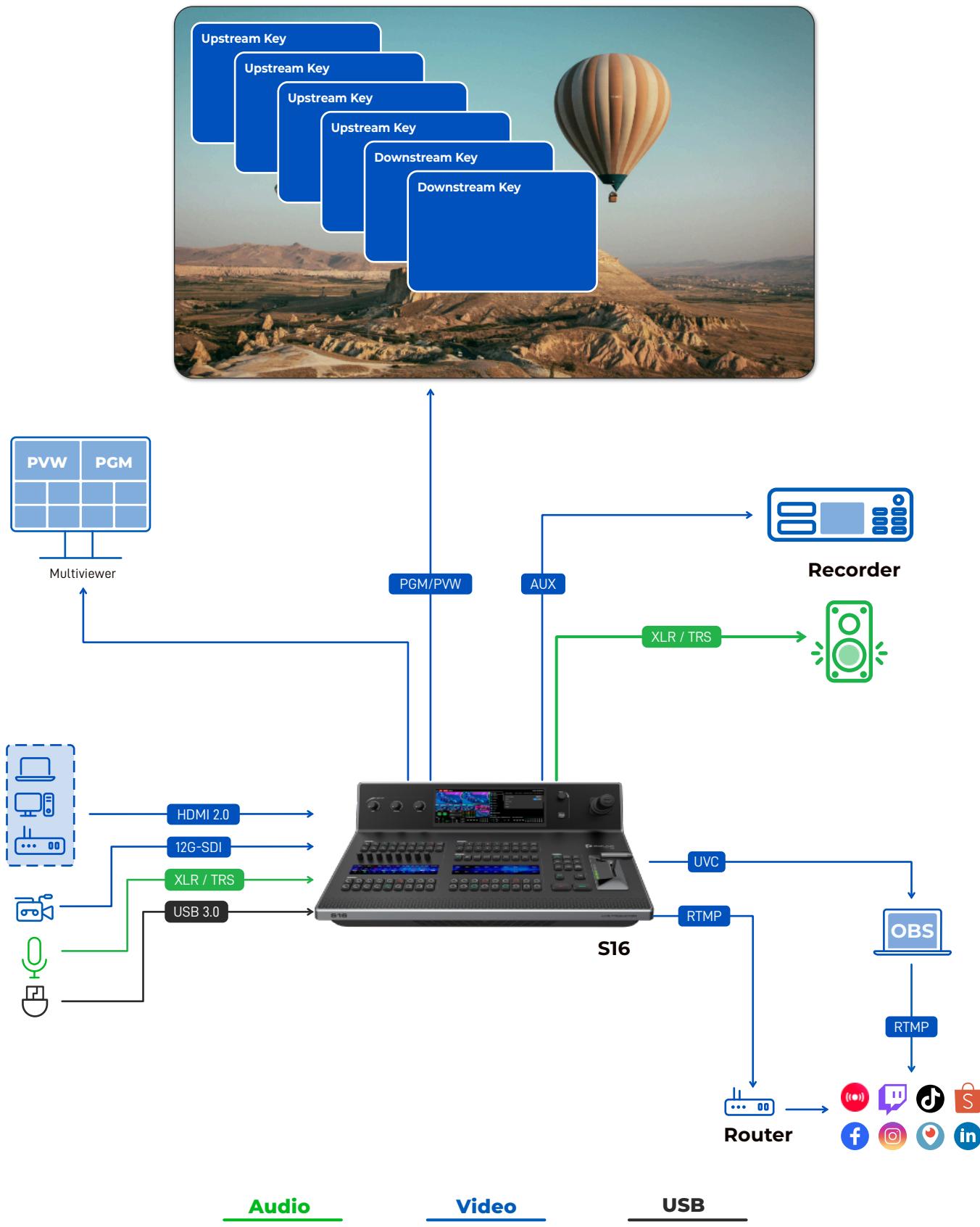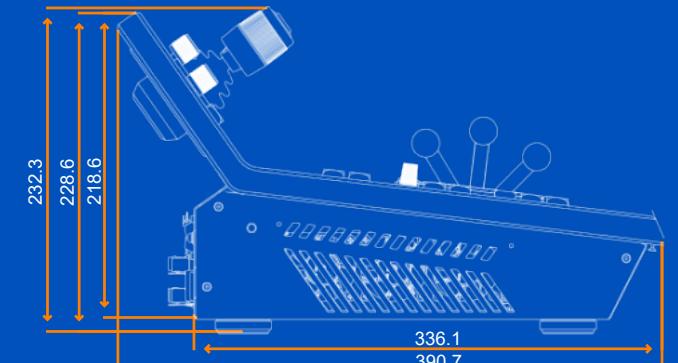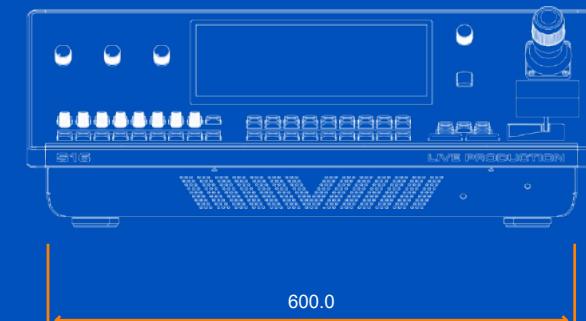
Specifications

	Type	Description
Connectivity and Performance	**Input**	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℃; Humidity: 5%~85%, non-condensing
	Storage	Temperature: -20~70℃; Humidity: 5%~95%, non-condensing
Power	**Power Connector**	100~240V~, 10A, 50/60Hz
	Max Consumption	250 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

Note:
Specifications subject to change without prior notice.

S16_EN_2026-01-14