TENVEO PC500

4K All-in-One Video Mixer Switcher



1080P 60FPS | **Horizontal and Vertical** | **Inputs&Outputs** | **Inputs&Outputs** | **3 Audio Ports** | **Multiple Storages** | **NDI SRT RTMP**

The PC500 is an all-in-one professional live streaming switcher, built for versatility and high-quality production. It features a bright 5.5-inch FHD screen for intuitive control and monitoring.

● Inputs: The PC500 handles flexible, multi-format sources with a total of up to 8 inputs. This includes 4 SDI inputs and 4 HDMI inputs. Crucially, the first two HDMI ports support HDMI 2.0 for connecting up to 4K resolution sources.

● Outputs: It provides ample connectivity with two HDMI outputs and one SDI output. All three outputs are fully customizable-they can be configured to display the Input Channel, Preview (PST), Program (PGM), or Multi-view (MV) feed.

● Audio: Supports two external audio inputs for professional mixing.

● Monitoring: Users can monitor the mixed audio output or any single audio channel in real time, ensuring perfect sound quality for the broadcast.

● Streaming & Recording:

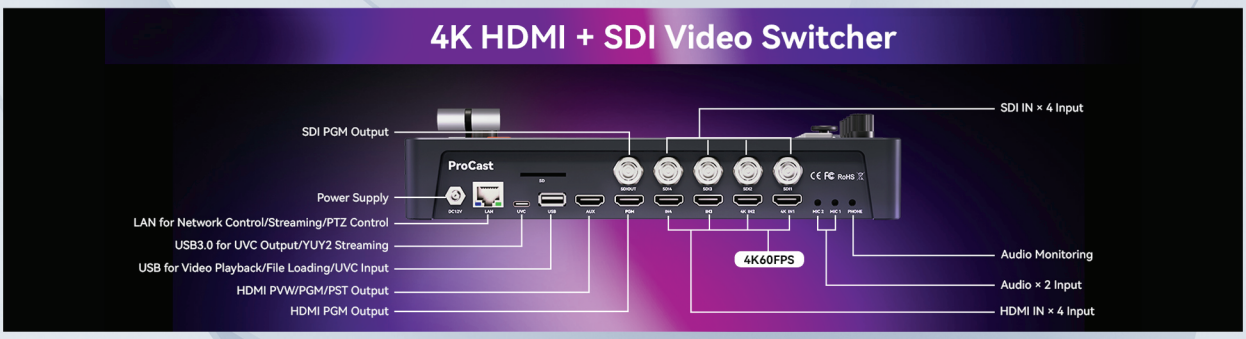
Direct Streaming: Stream directly to your platform using the Ethernet port via your stream key and URL.

UVC Integration (Webcam Mode): Connect to a PC via the UVC port, and the PC500 is instantly recognized as an HD webcam.

Multi-Function Input

1. Tenveo PC500 has a Built-in Media Player for Direct Playback&As an Input Source.
2. The multi-function input could Directly Play media video sources from a USB Disk or connect a UVC Camera without a converter.
3. It also supports NDI, SRT, and RTMP protocols, and Stream Remote Video Sources to the switcher and use them as Input Sources for local live streaming.
4. 4 HDMI + 4 SDI Ports, Choose Four-Channel Input from 8 Channels, scale from Simple Webcasts to Multi-Cam Productions.





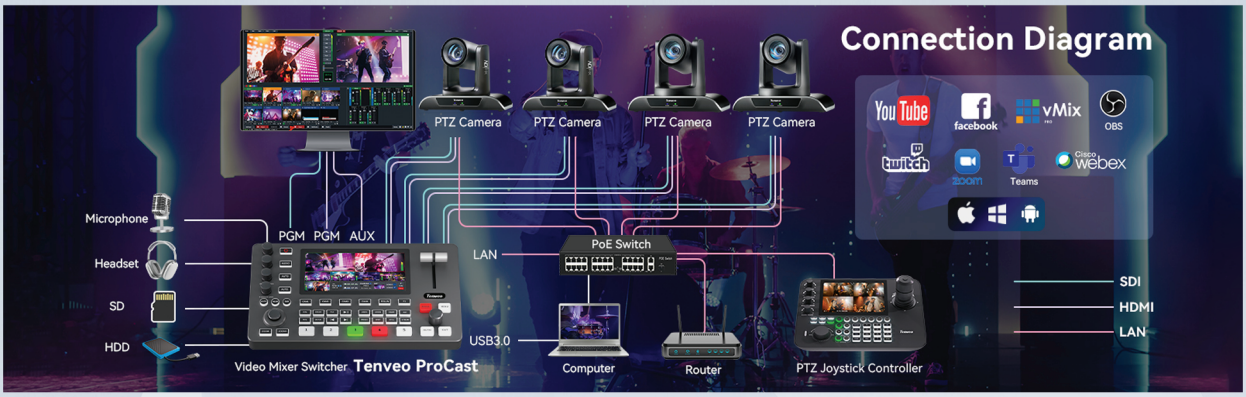
Pro Dual-Channel Streaming: Computer-Free.
Direct Dual Stream: Built-in Encoder for YouTube, Facebook&TikTok.

Advanced Multi-source Layout Creation

Dual-Orientation Streaming: Supports simultaneous Horizontal and Vertical live streaming outputs.
PTZ Control Agnostic: Camera control functions remain fully operational in both horizontal and vertical streaming modes.
Simultaneous Live Broadcast & Recording: Achieve maximum security by simultaneously broadcasting your stream and recording the Program (PGM) output.
High-Quality Recording: Supports direct 1080P@60fps video recording to SD, USB, or HDD. The recorded PGM file is production-ready, minimizing post-editing time.



Connectivity Overview



Simplified PTZ Workflow & Chroma Key

Easily manage and switch between 4 PTZ cameras to deliver compelling, multi-angle live streams without complexity. Uses an advanced AI algorithm for precise color sampling, ensuring clean, sharp edges and effective elimination of color spill when using a green screen.

Professional Layout Engine & 30 Pro Effects

Create sophisticated outputs with two separate PIP boxes and two logo overlays, allowing you to seamlessly integrate graphics and multiple live feeds for dynamic, news-style broadcasting.

Access 30 dynamic transition effects to elevate the look of your live production.

Instant Switching: Use the CUT button for immediate switches (PST to PGM), or press AUTO for smooth, automated transitions with effects.

Intuitive Layer Modes: The MODE switch lets you control layers: T-Bar mode is used for Preview (PST) layers, while EAZY mode manages Program (PGM) layers.

Fine-Tuning: Customize your transitions by adjusting the transition time, blackout duration, and edge feathering.

Professional Audio Mixer

Supports AFV and MIX audio modes. Manages 4 HDMI + 1 Media + 2 external inputs simultaneously, with dedicated headphone monitoring.



Seamless NDI Input

Integrate high-quality, low-latency video streams directly over a single network cable, simplifying complex setups and reducing cable clutter.

Model	PC500		
Screen	5.5 inch		
Resolution	1920*1080		
Decoding Capability	Supports H.264 Max 1080p60fps		
Protocols	Streaming IN : SRT, RTSP, NDI | Streaming OUT : RTMP | Control Protocol : VISCA Over IP		
Features	Integrated 8-choose-4 channel input from 4*SDI & 4*HDMI Supports USB-A USB 3.0 lossless capture for more authentic image reproduction Supports 4K input, allowing flexible integration of multiple video sources Supports NDI input, low-latency video over a single network cable Supports UVC cameras and remote camera input for versatile composite input Built-in media player; recorded videos can be played directly onboard and used as an input source Supports output interface channel mapping for more flexible scene adaptation Supports onboard recording to USB flash drives and portable HDDs Supports seamless switching between horizontal and vertical streaming to adapt to diverse scenarios Built-in web server, supports control via web browser on any platform Supports dual-stream output to meet multi-platform streaming needs Supports 30 types of transition effects		
System	Supports language settings; Supports network upgrade; Supports static MAC address		
I/O Configuration	Input	3G-SDI*4	SDI 1080P Input Interface
		HDMI 2.0*2	HDMI 4K Input Interface
		HDMI 1.3*2	HDMI 1080P Input Interface
		USB 2.0*1 (USB Type-A)	Video Playback/Image Loading/UVC Input/Program Upgrade
	Output	3G-SDI*1	PGM Output
		HDMI 1.3*1	PGM Output
		HDMI 1.3*1	AUX output
		USB 3.0*1 (USB Type-C)	UVC Output Interface
	Audio	MIC IN 2*3.5mm Audio Interface	Compatible with MIC/LINE Stereo Input
		PHONES 1*3.5mm Audio Interface	Monitor Output
	Control	LAN *1	Network Control/Network Streaming PTZ Camera Control
Input Resolution	HDMI	1280x720P50/59.94/60 | 1280x800P60 | 1280x1024P60 1440x900P60 | 1680x1050P60 1920x1080P23.98/24/25/29.97/30/50/59.94/60 1920x1080i50/59.94/60 (IN1/IN2) 3840x2160P30/50/60	
Input Resolution	HDMI	SMPTE: 1080p@24/30/50/60	
	USB 3.0	Video Streaming: 1080p@24/30/50/60fps	

SD Card Slot	SD Card Recording	Input Power	12V/2A
USB Port	USB Drive Recording/ Mobile hard drive recording	Constant Power	20W
		Operating Temperature	0°C~70°C
Video Sampling	YUV 4:4:4	Operating Humidity	10%~85%
System Latency	< 3 Frames	Weight	1.5kg(Net Weight) 2.1kg(Gross Weight)
Audio Delay	0-500ms (0-30/25 frames)	Unit Dimensions	269.9*166.4*55.7mm

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