

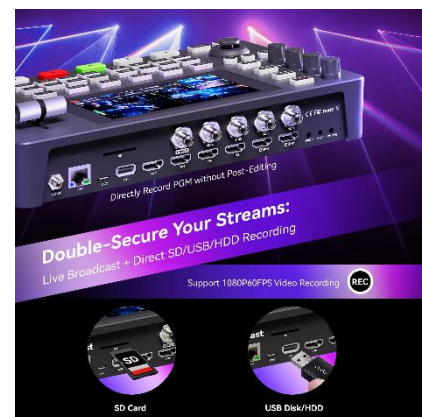
Digital All in one Video Mixing Switcher



Let's dive into a new era of integrates video switching, live streaming, PTZ/NDI camera control, recording, monitoring and video encoding into one powerful production console. Ideal for conferences, studios, live events, education, sports and podcast production..

Key Features

- All-in-One Professional Video Switcher
- 4K HDMI + SDI Multi-Camera Connectivity
- Dual Streaming with NDI & Web Control
- PTZ Camera Control & Broadcast Recording
- Advanced Video Effects & Professional Audio



* Due to continuous product development, the specifications may change without prior notice
** Product images are for illustration purpose only and may be different from the actual product

4K All-in-One Live Streaming Video Mixer (IMPACT VMD1)

Category	Parameter	Technical Specification
Display & Monitoring	Built-in Screen	5.5-inch Full HD (FHD) display
	Screen Resolution	1920 × 1080 pixels
Video Inputs	Total Selectable Channels	8-choose-4 channel input architecture (4× SDI & 4× HDMI)
	4K HDMI Inputs	2× HDMI 2.0 (supporting up to 4K@60fps)
	FHD HDMI Inputs	2× HDMI 1.3 (supporting up to 1080p@60fps)
	SDI Inputs	4× 3G-SDI (supporting up to 1080p@60fps)
	Media / USB Input	1× USB 2.0 (Type-A) for direct video playback from USB disk, image loading, UVC camera input, or firmware upgrade
	Network Video Inputs	NDI, SRT, RTMP, and RTSP stream inputs
Video Outputs	Program (PGM) Outputs	1× 3G-SDI and 1× HDMI 1.3
	Auxiliary (AUX) Output	1× HDMI 1.3 (fully configurable to Input Channel, Preview/PST, Program/PGM, or Multiview/MV feed)
	USB Streaming / Capture	1× USB 3.0 (Type-C) UVC output / YUY2 streaming for driver-free connection to PC/Mac (webcam mode)
Resolution & Video Standards	HDMI Input Resolutions	• 3840×2160p (30/50/60 fps on IN1/IN2) • 1920×1080p (23.98/24/25/29.97/30/50/59.94/60 fps) • 1920×1080i (50/59.94/60 fps) • 1280×720p (50/59.94/60 fps), 1680×1050p60, 1440×900p60, 1280×1024p60, 1280×800p60
	SDI Input Resolutions	SMPTE 1080p (24/25/30/50/60 fps), 1080i (50/60 fps), 720p (50/60 fps)
	Output & Streaming Resolutions	1080p @ 24/30/50/60 fps (SMPTE: 1080p @ 24/30/50/60 fps)
	Color Space / Sampling	YUV 4:4:4
	Video Compression	H.264 up to 1080p@60fps
	Latency	System latency < 3 frames; Audio delay adjustment 0–500 ms (0–30/25 frames)
Audio Interface & Mixing	Analog Audio Inputs	2× 3.5 mm stereo audio inputs (compatible with MIC / LINE level)
	Audio Monitoring	1× 3.5 mm stereo headphone jack for real-time monitoring
	Audio Processing Modes	Integrated professional audio mixer supporting AFV (Audio-Follow-Video) and MIX modes
	Channel Processing Capacity	Simultaneously processes up to 5-channel embedded HDMI audio and 2-channel external audio inputs
Video Production & Effects	Transitions & Controls	CUT, AUTO, Hardware T-Bar fader, transition duration, blackout time, and edge feathering adjustment

	Transition Effects	Up to 36 dynamic transition effects
	Multi-Source Layering	2× independent Picture-in-Picture (PIP) windows and 2× logo overlays
	Chroma Keying	Advanced AI algorithm for precise color sampling, clean edge detection, and green screen color spill elimination
	Streaming Orientation	Dual-orientation live streaming (simultaneous Horizontal 16:9 and Vertical 9:16 broadcast)
PTZ Camera Control	PTZ Management	Direct control of up to 4 PTZ cameras via LAN / VISCA
	Hardware Controls	Dedicated hardware joystick, individual camera selector keys (CAM1–CAM4), Zoom (+/-), Near/Far, and Auto Focus buttons
	Orientation Compatibility	Full PTZ functionality retained across both horizontal and vertical output modes
Recording & Storage	Direct Recording	Direct 1080p@60fps Program (PGM) video recording
	Storage Interfaces	SD Card slot, USB Flash Drive (USB-A port), and portable external HDD
	Simultaneous Operation	Simultaneous live streaming broadcast and local master PGM recording
Streaming & Network Protocols	Direct Network Streaming	Computer-free direct encoding and streaming via Ethernet to platforms including YouTube, Facebook, and TikTok
	Protocol Support	NDI, SRT, RTMP, RTSP, and VISCA
	Dual-Stream Transmission	Dual-stream encoding capability for multi-platform broadcasting
	Remote Control Interface	Built-in Web Server supporting cross-platform web browser control
	Network Management	Static MAC address configuration, network firmware update, and multi-language system settings
Interfaces & Connectivity	Network Interface	1× RJ45 LAN port (Network Control, Live Streaming, and PTZ Control)
	USB Interfaces	1× USB 3.0 Type-C (UVC output), 1× USB 2.0 Type-A (Media playback / Recording / Storage / Firmware)
	Storage Expansion	1× SD Card slot
Electrical & Environmental	Power Input	DC 12V / 2A
	Power Consumption	20W constant power
	Operating Temperature	0°C to 70°C
	Operating Humidity	10% to 85% RH (non-condensing)
Physical Specifications	Product Dimensions (L × W × H)	269.9 mm × 166.4 mm × 55.7 mm
	Product Weight	Net Weight: 1.5 kg; Gross Weight: 2.1 kg

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