

COMPARATIVA MEZCLADORES DATAVIDEO 2023

Model	SE-4000	SE-3200	SE-1200MU	SE-650	SE-500HD	ICAST 10NDI	SHOWCAST 100
Código Crambo	90798	77319	45660	69120	69119	90454	90455
Product	4K 8-Channel Digital Video Switcher	HD 12-Channel Digital Video Switcher	6 Input Rackmount HD Switcher	4 Input HD digital video switcher	4-Channel 1080p HDMI Video Presentation Switcher	5-Channel All-in-one Streaming Switcher	4K SHOWCAST Streaming Studio
URL	https://datavideo.com/en/product/SE-4000	https://datavideo.com/en/product/SE-3200	https://datavideo.com/en/product/SE-1200MU	https://datavideo.com/en/product/SE-650	https://datavideo.com/en/product/SE-500HD	https://datavideo.com/en/product/ICAST+10NDI	https://datavideo.com/en/product/SHOWCAST+100
Video Standard	4K & HD	Full HD	HD	HD	Full HD & SD	HD & SD	4K & HD
Video Format	Input: 3840x2160p: 60/59.94/50 1080p: 60/59.94/50 Output: 3840x2160p: 60/59.94/50 1080p: 60/59.94/50	1080p 50/59.94/60Hz 1080i 50/59.94/60Hz 720p 50/59.94/60Hz	1080i 50/59.94/60Hz 720p 50/59.94/60Hz	1080i 50/59.94/60Hz 720p 50/59.94/60Hz	1080p 50/59.94/60Hz 1080i 50/59.94/60Hz 720p 50/59.94/60Hz 576p 50Hz 480p 59.94Hz	Input: 1080p60/59.94/50, 1080p30/29.97/25/24/23.98 1080i60/59.94/50 720p60/59.94/50 480i59.94, 576p50 Output: 1080p60/59.94/50→1080p60/59.94/50 24/23.98 1080i60/59.94/50→1080p30/29.97/25 720p60/59.94/50→720p60/59.94/50 480i59.94, 576p50→480p29.97, 576p25 <i>(not supporting interface)</i>	Input: 3840x2160p: 60/59.94/50/30/29.97/25/24/23.98 1080p: 60/59.94/50/30/29.97/25/24/23.98 1080i: 60/59.94/50, 720p: 60/59.94/50 VGA, XGA (1024 x 768), SXGA (1280 x 1024), UXGA (1600 x 1200), WUXGA (1920 x 1200) Output: 3840x2160p: 60/59.94/50/30/29.97/25/24/23.98 1080p: 60/59.94/50/30/29.97/25/24/23.98 1080i: 60/59.94/50, 720p: 60/59.94/50
Video Processing	SDI: 4:2:2 10-bit HDMI: YUV 4:2:2 10-bit, RGB: 4:4:4 8/10-bit	SDI: 4:2:2 HDMI: YUV 4:2:2, RGB: 4:4:4	SDI: 4:2:2 HDMI: YUV 4:2:2 10-bit, RGB: 4:4:4	SDI: 4:2:2 HDMI: YUV 4:2:2 10-bit, RGB: 4:4:4	HDMI: YUV 4:4:4 10-bit, RGB: 4:4:4		4K60 YUV4:4:4 8bit, YUV 4:2:2 8/10bit, YUV 4:2:0 8bit, RGB 4:4:4 8bit 4K30 YUV4:4:4 8/10/12bit, YUV 4:2:2 8/10/12bit, YUV 4:2:0 8bit, RGB 4:4:4 8/10/12bit HD YUV4:4:4 8/10/12bit, YUV 4:2:2 8/10/12bit, RGB 4:4:4 8/10/12bit
Input Routable / Crosspoint	YES	All 12, repeatable	All 6, repeatable	All 4, repeatable	----	N/A	N/A
Video Input	Total 8 live inputs (select 8 from 12) 8 x 12G-SDI 4 x HDMI	8x SDI, 4x HDMI	4x HD-SDI 2x HDMI (RGB/YUV, 1080i/1080p/720p)	2x HD-SDI 2x HDMI	4x HDMI	3G/HD/SD-SDI x1 (BNC 75 ohm) HDMI 1.4 x4 (Channel 1 & 5 SD/HDMI selectable) USB 3.0 x1	4 x HDMI 2.0
Mix HD & SD Source Computer Graphic Interface	4 via HDMI	----	2 via HDMI	2 via HDMI	YES	YES	----
Video Output	4 x 12G-SDI 3 x HDMI All assignable: Multiview, PGM, PVW, PGM+DSK, Clean PGM, Clean PVW, Input 1-12	6x SDI Outputs assignable: Multiview, PGM, PVW, PGM+DSK, Clean PGM, Clean PVW, Input 1-12, STILL 1, STILL 2, Flex source 3x HDMI assignable: Multiview, PGM, PVW, PGM+DSK, Clean PGM, Clean PVW, Input 1-12, STILL 1, STILL 2, Flex source	2x HD-SDI 2x HDMI assignable: PGM(w/DSK &2), PGM(w/DSK 1), PGM Clean, PVW(w/o DSK), multi-view, Input 1-6	2 x HDMI (1 is MV, 1 is Assignable) 2 x HD-SDI (Assignable)	2 x HDMI (1 is MV, 1 is PGM)	3G/HD/SD-SDI loop-through x1 HDMI 1.4 x1 (PGM) HDMI 1.4 x1 (Multiview) RJ-45 female x2 (10/100/1000M Ethernet) (LAN & WAN)	3 x HDMI 2.0 for PGM 1 x HDMI for CG Preview
Down Converted Output	----	1x SDI	----	----	YES	1080p output	YES
Built-in Multi-view Monitoring Out	HDMI & SDI assignable	HDMI & SDI assignable	HDMI & SDI assignable, Ethernet (MPEG)	HDMI & SDI assignable	HDMI	HDMI x1	On 14" Touch Panel
Analogue Audio Input	4 x Analogue XLR	4x Balanced XLR	2x Balanced XLR	1 x Stereo RCA (L/R) 1 x Mono Microphone	1 x Stereo RCA (L/R) 1 x Mono Microphone	XLR Balanced audio x2 RCA Unbalanced audio x 1 pair SDI embedded audio HDMI embedded audio IP Audio (RTSP AAC-ADTS, PCM) (External and embedded audio mixable)	2 x 3 Pin XLR / 1/4" (6.3mm) Combo Socket 1 x Stereo RCA set (L/R) Audio Input Switch: Stereo / Mono
Analogue Audio Output	2 x Analogue XLR	2x Balanced XLR	----	1 x Stereo RCA (L/R) 1 x Stereo headphone (Mini Jack with volume control)	1 x Stereo RCA (L/R) 1 x Stereo headphone (Mini Jack with volume control)	3.5mm x1 (headphone, PGM audio monitoring)	1 x Stereo RCA set (L/R) 1 x Stereo headphone (Mini Jack with volume control)
Digital Embedded Audio Support	Input 4 channels, Output 4 channels	Input 2 channels, Output 4 channels	Input 2 channels, Output 2 channels	Input 2 channels, Output 2 channels	Input 2 channels, Output 2 channels		Input 2 channels, Output 2 channels
Audio Delay Calibration	Up to 16 fields or 8 frames per channel	Up to 16 fields or 8 frames per channel	----	----	----	Each channel delay time: 0.3000ms	Up to 200ms
A/V Switching Chromakey	YES	YES	YES	YES	YES	YES	YES
Titler Creator	Yes, CG-200 software free download	4	Yes, CG-200 software free download	4	----	N/A	----
USK	4x Keyer support Chromakey/ Linear/ Luma Key	4x Keyer support Chromakey/ Linear/ Luma Key	2x Keyer support Chromakey/ Linear/ Luma Key	2x Keyer support Chromakey/ Linear/ Luma Key	2x Keyer support Chromakey/ Linear/ Luma Key	Web GUI	Web GUI
USK	4x Keyer support Chromakey/ Linear/ Luma Key	4x Keyer support Chromakey/ Linear/ Luma Key	2x Keyer support Chromakey/ Linear/ Luma Key	2x Keyer support Chromakey/ Linear/ Luma Key	2x Keyer support Chromakey/ Linear/ Luma Key	N/A	Lumakey
DSK	2x DSK support Lumakey & Linear key (Key / Fill)	2x DSK support Lumakey & Linear key (Key / Fill)	2x DSK support Lumakey/ Linear key (Key / Fill)	2x DSK support Lumakey/ Linear key (Key / Fill)	2x DSK support Lumakey/ Linear key (Key / Fill)	----	----
Picture in Picture Logo Insertion	2 8 (4x PIP, 4x Flex Source)	2	2	1	1	2 Yes (PGM)	1
Still Store	250	999	500	500	500	----	----
Effects	FTB, Cut, 32 Wipe with border	FTB, Cut, 32 Wipe with border	FTB, Cut, 32 Wipe with border	FTB, Cut, 32 Wipe with border	FTB, Cut, Wipe with border	N/A	Seamless Cut, Wipe, Mix
Transition Preview	Full transitions preview	Full transitions preview	Full transitions preview	Full transitions preview	Full transitions preview	N/A	----
Sync / Reference In/Out	----	Built-in Genlock	Built-in Genlock (Internal)	Built-in Genlock (Internal)	Built-in Genlock (Internal)	N/A	Built-in Genlock (Internal)
Tally Output	1x D-sub 25pin, dual color	3x D-sub 25pin, dual color	1x D-sub 15pin, dual color	1x D-sub 15pin, dual color	1x D-sub 15pin, dual color	N/A	D-Sub 15 Male connector
PC Remote Control	DVFP (Ethernet)	RS-232 / DVFP (Ethernet)	Ethernet (Free Windows software) RS-422/ RS-232	DVFP (Ethernet)	----	Web UI for system configuration and control Serial Port Control: RS-232 (RJ-45)	Web browser UI for configuration and control Socket commands
Camera Control	----	----	----	----	----	N/A	DVFP/ RS-422/ RS-232
Built-in Audio Mixer	----	----	----	YES, 4 channels	YES, 4 channels	YES	1 x SDI Card Slot
Storage	----	----	----	----	----	SATA (8Gb/s)	Supports SD, SDHC and SDXC card (UHS-I) (Class 10 above)
Recording File System	----	----	----	----	----	FAT, exFAT	FAT, NTFS, exFAT
Recording File Format	----	----	----	----	----	MP4	MP4
Video Encode	----	----	----	----	----	H.264	H.264 / AVC, Main/ High Profile Record Only: Up to 384Mbps (1080p 50/60) Stream Only: Up to 10Mbps (1080p 50/60) Rec and Stream: Up to 10Mbps (1080p 25/30) Rec and Stream: Up to 384Mbps (1080p50/60), Dual Stream
Audio Encode	----	----	----	----	----	AAC-LC Sample rate: 48KHz, 16bit AAC-LC Sample rate: 48KHz, 16bit Configurable bit rate: 128K or 256K or 384K	AAC-LC Configurable bit rate range from 32Kbps to 384Kbps Sample rate: 48KHz, 16bit
Streaming Protocol	----	----	----	----	----	RTSP over UDP (unicast & multicast) RTSP over HTTP/TCP/UDP RTMP (Publish)/RTMP/S SRT Caller and Listener Web RTC (encode/decode) Web UI	TS over TCP/UDP (unicast & multicast) RTSP over HTTP/TCP/UDP (RTSP Elementary Streaming) RTMP (Publish)
Firmware Update	USB	Ethernet	----	USB	USB	Web UI (network)	Ethernet, USB
Special Features	5" Touchscreen Display	4 User Memory Preset Free Virtual Set and Stinger transition included	Motion JPEG Multi-view streaming (120 memory preset, BGD Transition on/off option) Free Virtual Set and Stinger transition included	Free Virtual Set and Stinger transition included	Built-in video scaler for mixed resolution inputs	Vertical video: crop or rotate Vertical video Multiview	14.0" Touchscreen Display
Chassis	2 units, 2RU rack-mount mainframe	2 units, 2RU rack-mount mainframe	1RU rack-mount mainframe	Unibody	1RU rack-mount mainframe	Unibody	Unibody
Dimension (LxWxH)	433 x 312 x 76 mm (switcher) 432 x 252 x 88 mm (main unit)	433 x 312 x 76 mm (switcher) 432 x 252 x 88 mm (main unit)	440 x 215 x 49 mm	400 x 250 x 82 mm	400 x 284 x 44mm	437.6 x 330.5 x 96.5mm	
Weight	2.3 kg	4.9g	1.5 kg	1.9 kg	1.7 kg	2.9 kg	5.4 Kg
Power	DC 12V, 108W	DC 12V, 69W	DC 12V, 19W	DC 12V, 29W	DC 12V, 29W	DC 12V 24W	DC 12V 82W
Operating Temp. Range	0°-40 °C	0°-40 °C	0°-40 °C	0°-40 °C	0°-40 °C	0°-40 °C	0°-40 °C
What's in the Box	1 x SE-4000 Main Unit 1 x SE-4000 Control Board 2 x AD Switch DC 12V 1 x AC Cord 1 x Ethernet Cable 12 x Screw 2 x 2U Ear Rack	1 x SE-3200 Main Unit 1 x SE-3200 Control Board 2 x AD Switch DC 12V 1 x AC Cord 1 x DB9P TO DB9P Cable 12 x Screw 2 x 2U Ear Rack	1 x SE-1200MU product 1 x AD Switch DC 12V 1 x DB9P TO DB9P Cable 2 x 1U Rack Mount Ear 6 x M4 Screws for Rack Mount Ear	1 x SE-650 product 1 x AD Switch DC 12V with AC Cord	1 x SE-500HD product 1 x AD Switch DC 12V with AC Cord	1 x ICAST 10NDI main unit 1 x DC 12V Power Adapter 2 x 1U Rack Mount Ear 6 x M4 Screws for Rack Mount Ear 1 x 2.5" Removable HDD/SSD Enclosure 4 x Screws for 2.5 Removable HDD/SSD Enclosure 1 x Blank Label 1 x SATA to USB 3.0 Cable	1 x Showcast 100 product 1 x AD Switch DC 12V with AC Cord