

Datavideo KMU-100 4K HDMI/HD-SDI Multicamera Processor

Connections	
SDI Video Input	2 x (1) -10 bit HD, 3G levels A and B, 12G UHD switchable
	6 x (2,3,4) - 10 bit HD, 3G levels A and B switchable; Usable as Quad SDI; 4x3G SDI input for UHD
HDMI Video Input	2x HDMI type A connector with support for 2160p60
SDI Video Output	8 x - 10 bit SD, HD, 3G levels A and B switchable
HDMI Multiviewer Video Output	2x HDMI type A connector with support for 1080p50/59.94/60
SDI Audio Input	16 channels in HD, 3G HD, and UHD
SDI Audio Output	16 channels in HD, 3G HD, and UHD
Multi Rate Support	SDI connections are switchable between standard definition, high definition and UltraHD
Sync Input (Genlock)	Blackburst or TriSync
Computer Interface	Ethernet RJ45 for control, configuration and updates RS-232 x 1 input for controlling configuration
Software	
Software Control	A dedicated software control utility application for changing settings via Windows 7, Windows 8, and Windows 10 is included free of charge.
Power Requirements	
Power Supply	Included external 12V / 5A power supply
Environmental Specifications	
Operating Temperature	5° to 50 ° C (41° to 122° F)
Storage Temperature	-20° to 45°C (-4° to 113°F)
Relative Humidity	0% to 90% non-condensing
Processing - Two independent channels	
Outputs Definition	Each channel has a definition of four rectangles indicating the way the input signal is divided into 4 different outputs. The content bordered by each frame window will be sent to a corresponding output.
Windows Animation	Animation is possible for every frame window. User selects the size and position of Start and Stop rectangles. Motion modes available: Single - Single movement from Start to Stop. Ping-Pong - Swing cyclical movement, i.e. Start- Stop, Stop-Start, Start-Stop and so on (pendulum swing motion). Loop - Cyclical movement, i.e. Start-Stop, Start-Stop and so on.
Multiview Output	Preview of the outputs: Preview - Four rectangles at their respective Start positions are visible on the live input. Motion preview - The Start, Current and Stop rectangles of the selected Frame tab are visible on the live input. Quad view - Preview of the content of four outputs.
Standards	
SD Format	Support
1.5 Gb/s HD Format Support	720p50 720p59.94 1080p25 1080p29.97 1080i50 1080i59.94
3 Gb/s HD Format Support	1080p50,1080p59.94 and 1080p60 levels A and B
Ultra HD Format Support	2160p25, 2160p29.97, 2160p50, 2160p59.94
SDI	SMPTE 259M, SMPTE 292M, SMPTE 296M, SMPTE 372M, SMPTE 425M, SMPTE2082-1

Compliance	
Audio Sampling	Television standard sample rate of 48kHz and 24-bit HD, 20-bit SD
Video Sampling	4:2:2
Color Precision	10-bit
Color Space	REC 601, REC 709