

# JVC

The Perfect Experience

NEW PRODUCT INFORMATION



## KM-H Series

Compact multi-format digital vision mixers

JVC's new multi-format digital vision mixers offer robust and reliable production switching at an affordable price, perfect for small studio, playout, venue and OB requirements.

There are two models in the range; the KM-H3000 is a powerful twelve-input three-key SD/HD-SDI mixer, while the KM-H2500 is a six-input two-key SD/HD-SDI model ideal for entry-level applications. Both feature tough metal single-piece construction for desk-top or optional in-desk/rack-mount operation, high-end push buttons and a robust T-bar; all designed to handle the physical challenges of mobile and flight-case use.

The KM-H Series digital vision mixers fit perfectly with JVC's philosophy of providing an affordable upgrade path to high definition production, and are thus the ideal companion for systems incorporating GY-HD250 series multi-role cameras and DT-V series HD monitoring solutions. As well as providing three re-clocked and adjustable reference outputs, the mixers are also capable of generating their own reference for a small system.

Both digital mixers feature an intuitive, traditional panel layout and a simple menu structure, and are very easy to set-up and use. The high-quality buttons are user adjustable to any brightness and hue for easy reading in darkened environments, allowing the user to fully customise the appearance of their own unit. High quality chroma keying and sophisticated dual animation playout capability ensures that the KM-H switchers will satisfy the most demanding of applications, while the ability to work as both a standard and high definition switcher and to upscale SD inputs, ensures that the KM-H Series digital vision mixers offer a future-proof investment.



KM-H3000



KM-H2500

## KM-H Series Specifications

<b>Video Processing</b>	Video format . . . . .	SD (480/59.94i (4:3 and 16:9), 576/50i (4:3 and 16:9) ) HD (1080/59.94i, 1080i/50i), 720/59.94p, 720/50p)
<b>Input</b>	Video Processing . . . . .	Y:Cb:Cr, 4:2:2 10 bit
	Video . . . . .	KM-H3000: 12 SDI SD/HD inputs, 4 with Frame Sync KM-H2500: 6 SDI SD/HD inputs, 2 with Frame Sync
	Reference . . . . .	Black Burst/ Tri-Level Sync (internally terminated)
	Return Loss . . . . .	SMPTE 292-2006 (>15dB, 5MHz to 1.5GHz)
<b>Output</b>	Video . . . . .	6 SDI- SD/HD outputs (PGM, PGM, PV, 3x AUX (with clean feed)) 1 Down-converted NTSC/PAL Analogue output
	Reference . . . . .	3 x Genlock Black Burst / Tri-Level Sync (Internally or Externally locked)
	Return Loss . . . . .	SMPTE 292-2006 (>15dB, 5MHz to 1.5GHz)
<b>Transition</b>	Layers . . . . .	Background, Key, DSK(s), any combination
	DVE . . . . .	10, Push, Squeeze, etc.
	WIPE . . . . .	10, Including Circle, Square and Diamond
	Dissolve . . . . .	Variable Transition rate
<b>Upstream Keyer</b>	Transition Method . . . . .	Fader, Auto, Cut, GPI, Editor
	Key Source and Fill . . . . .	Input, Matte, Wash, Media Store
	Key Type . . . . .	Self, Linear, Chroma, PIP
<b>Downstream Keyer(s)</b>	Quantity . . . . .	KM-H3000: 2, KM-H2500: 1
	Transition Method . . . . .	Fader, Auto, Cut, GPI, Editor
	Key Source and Fill . . . . .	Input, Matte, Wash, Media Store
	Key Type . . . . .	Self, Linear
<b>External Interface</b>	Serial (Editor) . . . . .	DB9 - RS422 (GVG 100)
	Tally . . . . .	DB9 - 8 Tallies
	GPIO . . . . .	DB25 - 24 TTL Input
	Ethernet . . . . .	10/100 Mbps - Technical Support Use
<b>Removable Media</b>	USB 2.0	
<b>Power</b>	External AC adaptor 110/240V, 50/60 Hz	
<b>Dimensions (W x H x D)</b>	404mm x 122mm x 272mm (15.9" x 4.8" x 10.7")	
<b>Options</b>	2D DVE; RAM Upgrade and animated logos; rack and desk-mount kit; redundant power supply	



**KM-H3000**



**KM-H2500**



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