



KNOX VIDEO TECHNOLOGIES

Products

ChameleonHB/MB

High-Bandwidth, expandable audio/video matrix routing switcher...by Knox.

- Expandable to 256 x 128
- Audio and Video matrices linkable
- 200MHz(HB) OR 30MHz (MB) video bandwidth
- SAS (Simple ASCII Strings)RS-232 Instruction Set
- Battery-backed
- 5-year warranty

Applications:

- Broadcast
- Distance Learning
- Media Retrieval
- Stadiums, Theme Parks
- Sports Bars, Restaurants



The **Chameleon HB/MB** is a modular routing switcher expandable to a 256 x 128 audio or video matrix in a 9U rackframe. The matrices may be linked for full audio-follow-video routing. Audio may also be routed independently. The audio and video matrices do not need to be the same size.

Matrix configurations are assembled in multiples of sixteen. Insertion cards are plugged into a 9U rackframe via a hinged front panel.

The crosspoint matrix is controlled by a simple, yet versatile RS232 protocol. Control options include computer, front panel keypad, remote keypad or all three.

Technical Specifications

◆ **HB Video (Suitable for Composite, Y/C, Hi-Def Component, RGBHV)**

	Frequency response	DC to 200 MHz, @ 300mv, <-3dB @ 150 MHz Typ -6dB @ 200 MHz @ 1.0v, <-3dB @ 115 MHz
	Input Impedance	75 ohm
	Output Impedance	75 ohm
	Crosstalk	all hostile: Typ <-70dB @ 5MHz Typ <-55dB @ 20MHz Typ <-25dB @ 100MHz one hostile: <-40dB @ 200 MHz
	Connectors	BNC

◆ **MB Video (Suitable for Composite, Y/C, Hi-Def Component)**

	Frequency response	+/- 0.5 dB to 20 MHz, -3dB at 30 MHz
	Input Impedance	75 ohm
	Output Impedance	75 ohm
	DC Offset	less than +/- 10 mV
	Maximum Input/Output Level	+/- 1.4 Volts peak
	Crosstalk	less than -50 dB at 4 MHz
	Connectors	BNC

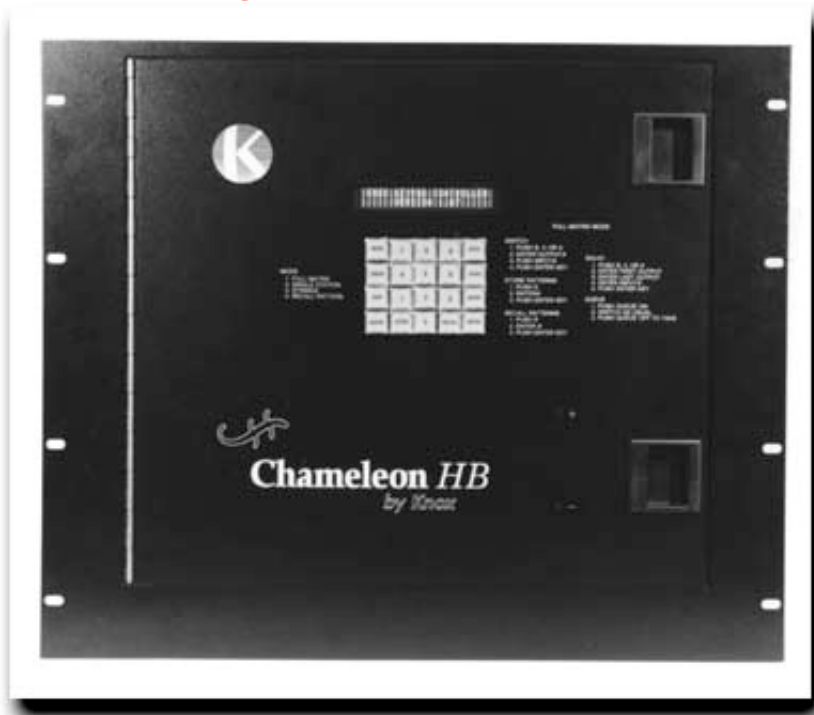
◆ **Balanced Audio**

	Hum and Noise	<-90dB
	Frequency Response	20 Hz to 50 KHz +/- 1/4 dB
	Level	0, 4, or 16 dB, clipping at 18 dB
	Impedance	Bridging, or 600 ohm termination
	Crosstalk	< -90dB at 20 KHz
	Connectors	Phoenix screwtype, removable

◆ **Unbalanced Audio**

	Frequency Response	20 Hz to 30 KHz
	Input level	up to 2 volts p-p
	Input Impedance	100 K
	Output Impedance	1 K
	Crosstalk	<-85 dB @ 1KHz
	Connectors	RCA
◆ Power		
	Input	115 VAC (105-125), 50/60 Hz
	Power Supply	nominal 115/230 VAC 50/60Hz, 150W Maximum supplying +/-8vdc nominal at 5A
◆ Dimensions		
		9U rackmount chassis with hinged front panel 15.75" high x 19" wide x 10" deep

Enhanced Image:



Back View:

