Application Note:
Interfacing non-standard cameras to Matrox Genesis

JAI CV-M10

November 23, 1998



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Cabling	Mode 1, 2, : Trigger (dual tap)				
Requirements	 IMG-7W2-TO-5BNC cable required for video output of camera. Red BNC connected to Video2 OUT, Green BNC connected to Video1 OUT. Digital cable adapter board required. Gray BNC connected to External Trigger source. The connections between the Matrox Genesis and the camera are as follows: 				
	PLS/CBL/CABLE			JAI CVM-10	
	(68-pin connector)			(6-pin male HIROSE connector)	
	Pin name	Pin no.		Pin name	Pin no.
	EXPOSURE1, OUTPUT	24	\rightarrow	TRIGGER IN	5
	DIG TRIG, INTPUT	67	\rightarrow	VALID OUT	6
	Mode 3, : Trigger (single tap)				
	 IMG-7W2-TO-5BNC cable required for video output of camera. Red BNC connected to Video1 OUT. Digital cable adapter board required. Gray BNC connected to External Trigger source. 				
	• For all modes: The connections between the 12-pin lens connector of the camera and the power supply are as follows:				
	POWER SUPPLY			JAI CV-M10 (12-pin connector) Pin name	Pin no.
	12 Volts			DC+12V in	2
	GROUND			GND	1

The DCF(s) mentioned in this application note can be found on the MIL and Native Library CD, or our FTP site (ftp.matrox.com). The information furnished by Matrox Electronics System, Ltd. is believed to be accurate and reliable. Please verify all interface connections with camera documentation or manual. Contact your local sales representative or Matrox Sales office or Matrox Imaging Applications at 514-822-6061 for assistance.

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