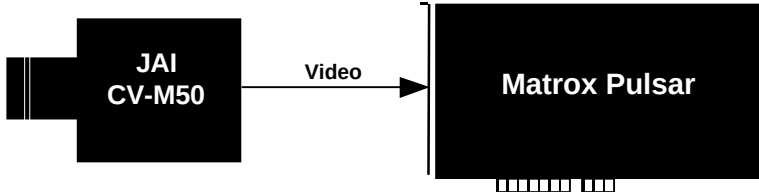


Application Note:

Interfacing non-standard cameras to Matrox Pulsar

JAI CV-M50

September 10, 1997

Camera Descriptions	• 768 x 572 x 8-bit (CCIR). • Analog video output. • Interlaced or non-interlaced. • Internal (composite) or external sync. • Internal exposure control.																																													
Interface Mode	• Continuous mode																																													
Camera Interface Briefs	Continuous mode  • 768 x 572 x 8-bit (CCIR) @ 25 fps. • Analog video output. • Continuous video. • Interlaced. • Internal exposure control. • DCF used: CVM50C.DCF																																													
Camera Interface Details	Continuous mode Switch settings (switches on rear panel of camera) : Mode : Continuous mode (interlaced) <table><tr><th>OFF</th><th>ON</th><th></th><th></th><th></th></tr><tr><td>•</td><td></td><td>1</td><td>ED2</td><td>shutter speed</td></tr><tr><td>•</td><td></td><td>2</td><td>ED1</td><td>shutter speed</td></tr><tr><td>•</td><td></td><td>3</td><td>ED0</td><td>shutter speed</td></tr><tr><td>•</td><td></td><td>4</td><td>TR</td><td>trigger mode</td></tr><tr><td></td><td>•</td><td>5</td><td>FR</td><td>scanning speed</td></tr><tr><td>•</td><td></td><td>6</td><td>LM1</td><td>scanning mode</td></tr><tr><td>•</td><td></td><td>7</td><td>GMA</td><td>gamma</td></tr><tr><td>•</td><td></td><td>8</td><td>AGC</td><td>AGC mode</td></tr></table>	OFF	ON				•		1	ED2	shutter speed	•		2	ED1	shutter speed	•		3	ED0	shutter speed	•		4	TR	trigger mode		•	5	FR	scanning speed	•		6	LM1	scanning mode	•		7	GMA	gamma	•		8	AGC	AGC mode
OFF	ON																																													
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Application Note:

Interfacing non-standard cameras to Matrox Pulsar



JAI CV-M50

September 10, 1997

Cabling Requirements	Continuous mode		
	• IMG-7W2-TO-1BNC cable required for video output of camera. • Video input BNC of IMG-7W2-TO-1BNC cable should be connected to VIDEO OUT BNC connector of camera. • The connections between the 12-pin lens connector of the camera and the power supply are as follows :		
	POWER SUPPLY	JAI CV-M50 (12-pin lens connector)	
		<i>Pin name</i>	<i>Pin no.</i>
	12 Volts	DC+12V in	02
	GROUND	GND	01

The DCF(s) mentioned in this application note can be found on the MIL and MIL-Lite CD, or our FTP site ([ftp.matrox.com](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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