Application Note: Interfacing non-standard cameras to Matrox Genesis

PULNIX TM-6701AN

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Cabling	Mode 1 and 2 : Continuous Mode (60 and 120 Hz)	
Requirements	 IMG-7W2-TO-1BNC cable required for video input of camera (single input). Video input of IMG-7W2-TO-1BNC cable should be connected to video out BNC connector of camera. 	
	Mode 3 and 4 : Asynchronous Reset Mode (60 and 120 Hz)	
	 IMG-7W2-TO-5NC and GEN/CBL/ADAPTER cable required for video input of camera and TTL external trigger source. TTL external trigger source should be connected to the TTL external trigger input of the IMG-7W2-TO-5BNC cable. Video input of IMG-7W2-TO-5BNC cable should be connected to video out BNC connector of camera. The connections between the 68-pin connector of the GEN/CBL/ADAPTER, the 12-pin connector of the camera and the power supply are as follows: 	
	GEN/CBL/ADAPTER (68-pin connector)PULNIX TM-6701AN (12-pin connector)POWER SUPPLYPin namePin no.Pin namePin no.EXPOSURE1 $24 \rightarrow$ VINIT in6GROUND68GND1, 3, 5, or 8GND	
	12V DC in 2 +12V	

If required, contact your local sales representative or Matrox Sales Office, or contact Matrox Imaging Applications at 514-822-6061 for assistance.

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 Matrox for more information, if necessary.

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