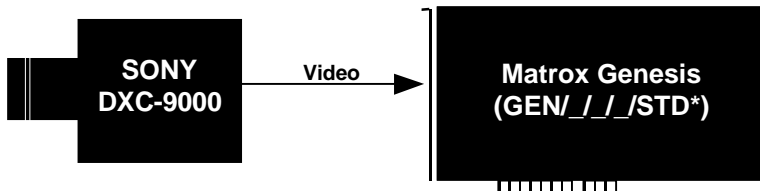


Application Note:

Interfacing non-standard cameras to Matrox Genesis

SONY DXC-9000
September 12, 1997

| | |
|--------------------------------|--|
| Camera Descriptions | <ul style="list-style-type: none"> • 640 x 480 x 24-bit (VGA) @ 60fps • Analog RGB. • Non-interlaced. • Internal exposure control. • Maximum data rate: 25 MHz |
| Interface mode | <ul style="list-style-type: none"> • Continuous mode. |
| Camera Interface Briefs | <p>Mode: Continuous Mode</p>  <p>The diagram illustrates the video signal path from the SONY DXC-9000 camera to the Matrox Genesis system. A black box labeled 'SONY DXC-9000' has a 'Video' output line connecting to a larger black box labeled 'Matrox Genesis (GEN/ / / /STD*)'. Below the Matrox Genesis box, a small icon represents the main board with the text '*Matrox Genesis Main Board with Grab Module'.</p> <ul style="list-style-type: none"> • 640 x 480 x 24-bit (VGA) @ 60fps • Analog. • Non-interlaced • Continuous video • Matrox Genesis receiving analog video signals from camera. • DCF used: 9000VGA.DCF |
| Cabling Requirements | <ul style="list-style-type: none"> • IMG-7W2-TO-5BNC (red, green, and blue) cable required for video output of camera. |

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](ftp: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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