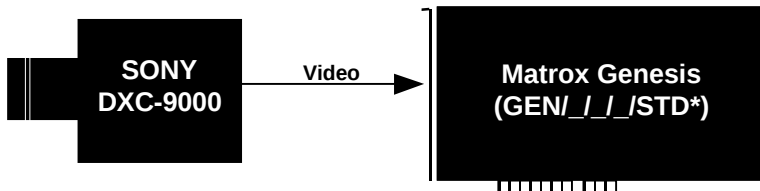


Application Note:

Interfacing non-standard cameras to Matrox Genesis

SONY DXC-9000

September 12, 1997

Camera Descriptions	• 640 x 480 x 24-bit (VGA) @ 60fps • Analog RGB. • Non-interlaced. • Internal exposure control. • Maximum data rate: 25 MHz
Interface mode	• Continuous mode.
Camera Interface Briefs	Mode: Continuous Mode  <pre> graph LR S[SONY DXC-9000] -- Video --> M[Matrox Genesis (GEN/ / /STD*)] </pre> *Matrox Genesis Main Board with Grab Module • 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	• 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: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.

Corporate
Headquarters:
Canada and U.S.A.
Matrox Electronic
Systems Ltd.
1055 St.Regis Blvd.
Dorval, Quebec, Canada
H9P 2T4
Tel: (514) 685-7230
Fax: (514) 822-6273

matrox
IMAGING PRODUCTS GROUP
GEN-CID-018