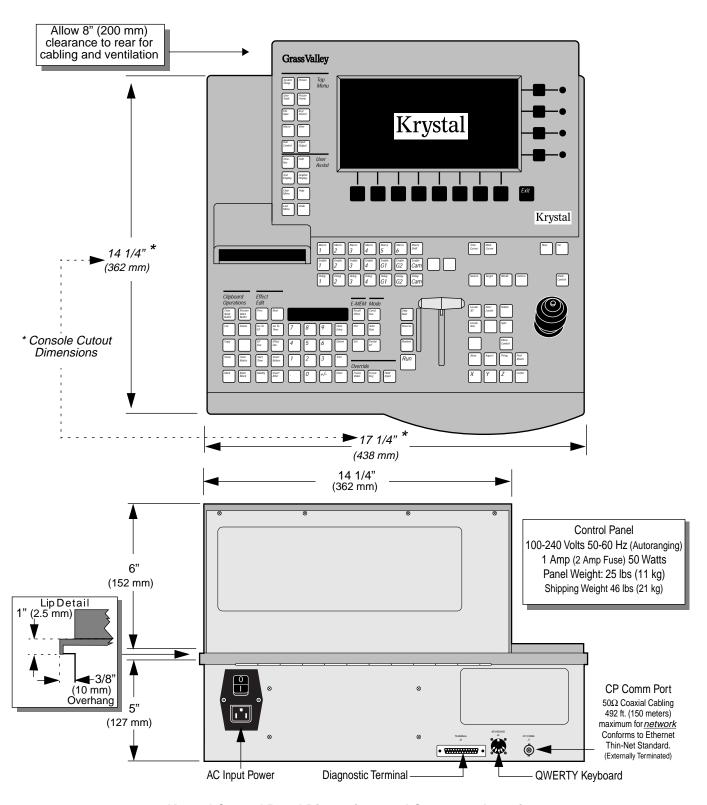
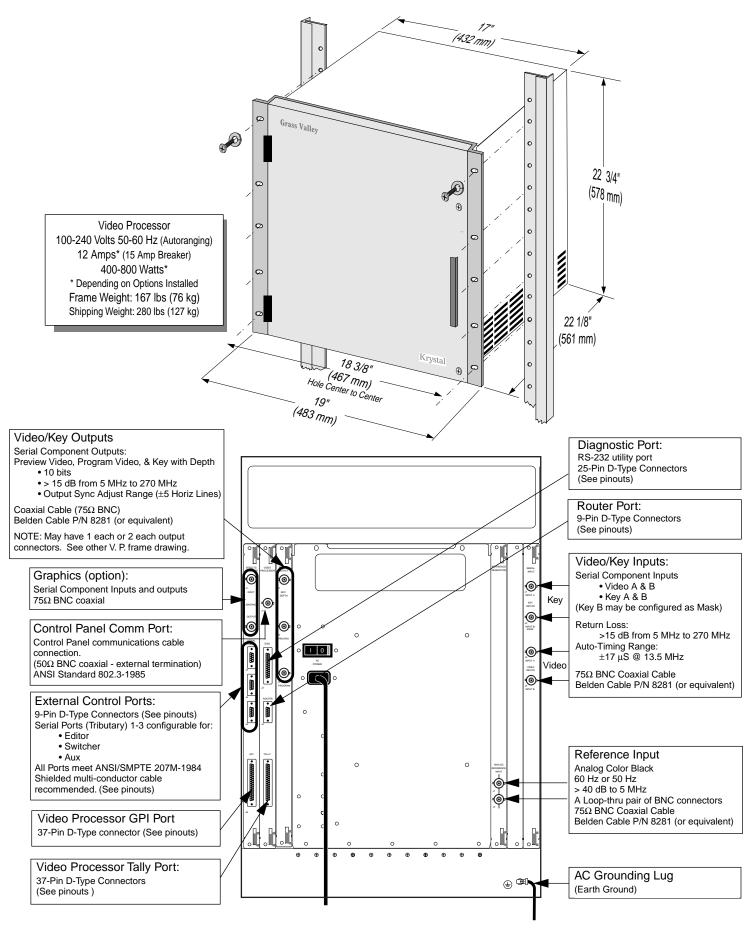
# **Tektronix**

# Grass Valley Krystal 4300 Digital Picture Manipulator Installation Planning Guide

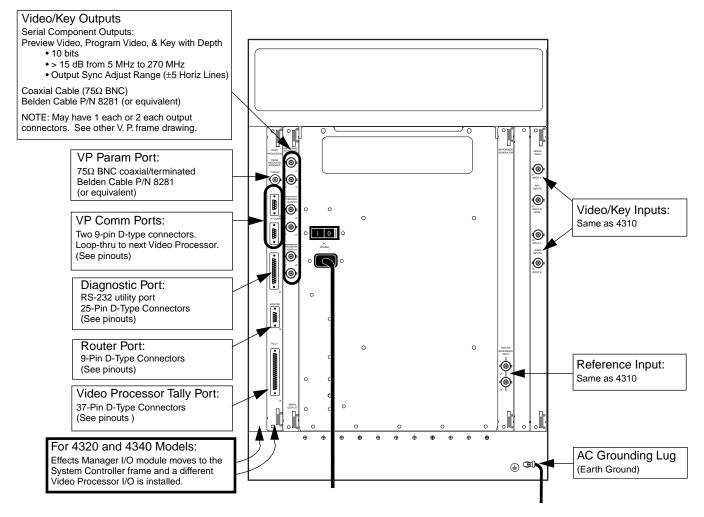


**Krystal Control Panel Dimensions and Connector Locations** 

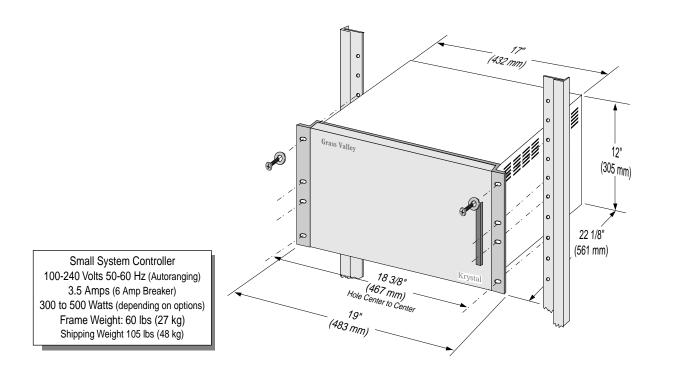


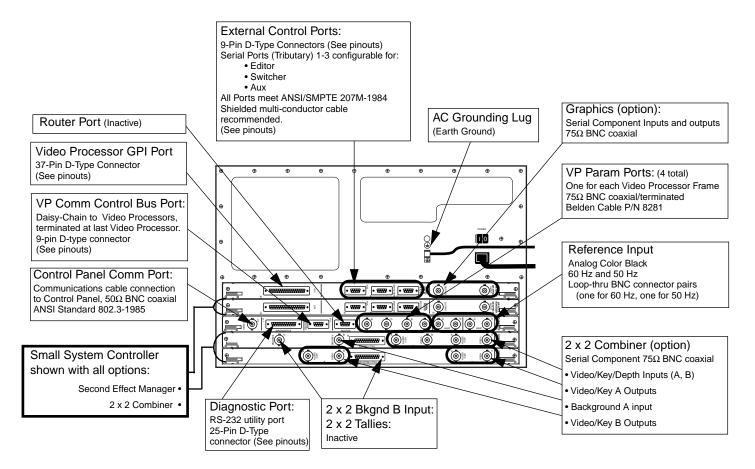
4310 Video Processor Frame Connector Locations

# Krystal System Characteristics Sample Frequency: 13.5 MHz Serial Component Format 525 Line format = SMPTE 529M and 125M 625 Line format = EBU Tech 3267 (525/625 switchable on a session by session basis) Environmental Operating Characteristics Temperature 32-104°F (0-40°C) Humidity 95% non-condensing (max)

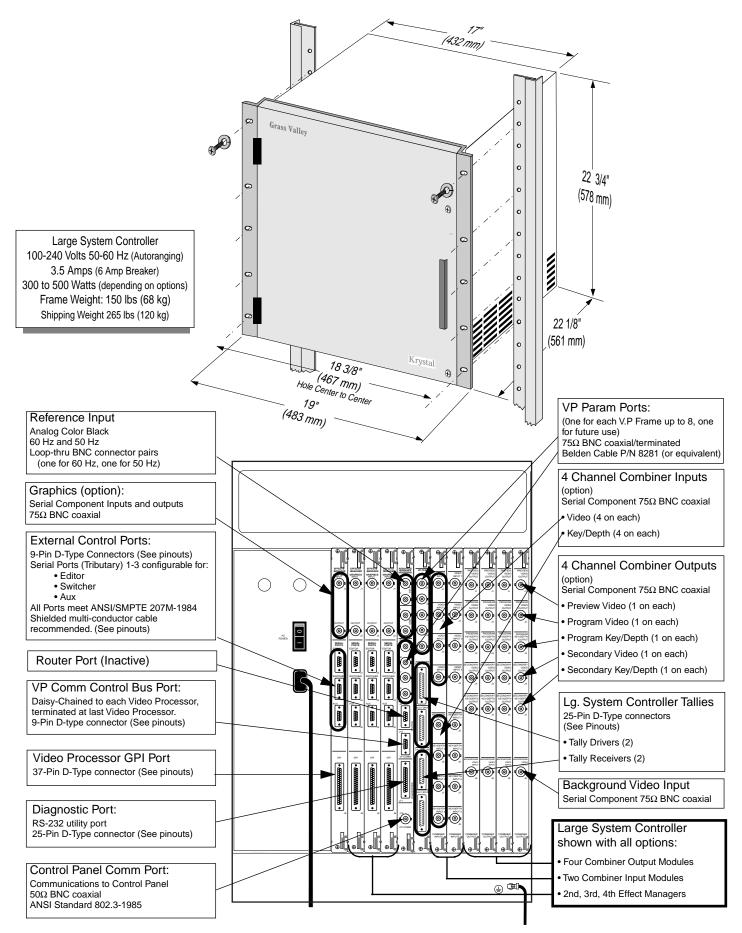


4320 and 4340 Video Processor Frame Connector Locations

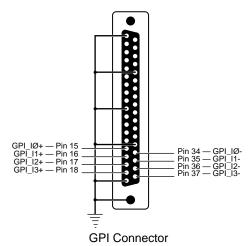




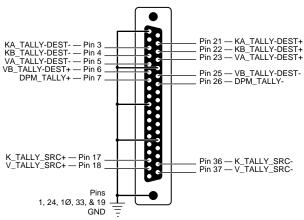
**4320 Small System Controller Frame Connector Locations** 



4340 Large System Controller Frame Connector Locations



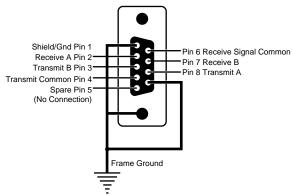
Female 37-Pin D-Type connector.
The General Purpose Interface (GPI) connector provides four dry-contact relay closure inputs.



Video Processor Tally Connector

Female 37-Pin D-Type connector.
The V.P. Tally connector provides six dry-contact relay closure outputs and two opto-coupled inputs.

**NOTE:** GPI and Tally relay maximum ratings are 28 volts 100 mA, resistive load. Multi-Conductor (Shielded) cabling should be used

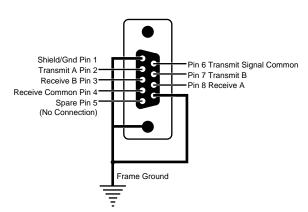


## Serial Connector (Controller) Pinout

Female 9-Pin D-Type connector.

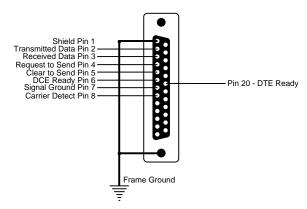
Multi-Conductor (Shielded) cabling ANSI/SMPTE 207M-1984

Also used for System Controller VP Comm Control Bus



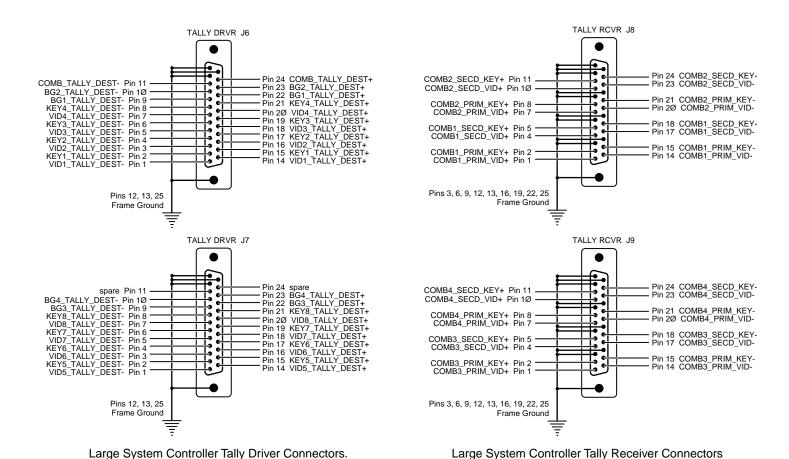
### Serial Connector (Tributary) Pinout

Female 9-Pin D-Type connector.
Multi-Conductor (Shielded) cabling ANSI/SMPTE 207M-1984



### Diagnostic Port Connector Pinout

Female 25-Pin D-Type connector.
Multi-Conductor (Shielded) cabling ANSI/SMPTE 207M-1984



NOTE: Tally relay maximum ratings are 28 volts 100 mA, resistive load.

Multi-Conductor (Shielded) cabling should be used

Male 25-Pin D-Type connector.

Male 25-Pin D-Type connector.

For further product and service information or the sales office nearest you, please contact:

Tektronix, Inc. Video and Networking Division P.O. Box 500 M.S. 58-965 Beaverton, OR 97077-0001

Phone: (800) 547-8949 (North America) No. America fax: (503) 627-7275 Europe fax: 33 (1) 69 07 0937 Asia fax: (852) 2802 2996 Japan fax: 81 (3) 5992 9377 Latin America fax: (305) 477-5385 URL: http://www.tek.com/VND

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Options and specifications subject to change without notice.