

3 CCD Progressive Scan XGA Color Camera

HV-F31CL



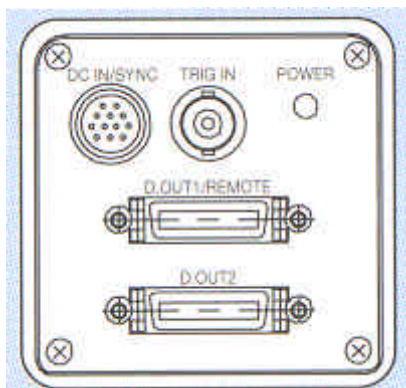
1/3" Progressive Scan XGA 3CCD Color Camera HV-F31CL

- 1/3 inch Progressive Scan 3 CCD
- XGA (1024 x 768) resolution
- 30 frames per second
- 10 bit CameraLink Output (medium configuration)
- Digital Signal Processing
- 4 Scene Files for Storage of Setup Menus
- 6 Vector Color Correction
- Adjustable Chroma Level
- Auto Tracking White Balance Mode
- Auto Level Control
- Auto Electronic Shutter
- Auto Knee
- Auto Shading Correction
- Long Term Integration 1/30 to 4 seconds
- Outputs: XGA (RGB, 30 fps)
- Internal or External Sync Mode
- Frame-on-Demand Mode
- RS-232C Remote Control for all Functions

Incorporating 3 1/3 inch 800,000 pixel progressive scan CCD's the HV-F31CL produces excellent image quality with high vertical resolution for use in medical, microscopy, and other image processing applications. The CameraLink interface allows easy connection with a frame grabber and allows the camera to operate at a full 30 fps, with full XGA resolution. RGB data is output at 30 bits per pixel enabling 1024 shades of gray for each channel. Featuring a 3rd generation DSP, the HV-F31CL incorporates ATW, ASC, AES, ALC, auto knee, flare correction, 6 vector color correction, and 4 scene files for the setup and storage of all camera operational parameters. The camera also features a long integration mode for use in low light levels, and a frame-on-demand mode for use in vision systems. In the frame-on-demand mode, a strobe signal is output at the end of the trigger pulse. An industry standard 12 pin Hirose connector is used for power, external sync, trigger input, and strobe output signals. Camera control is provided via the CameraLink connection.

Specifications

Imager:	3 1/3 inch Progressive CCD's
Pixels:	1024 x 768 (3)
Resolution:	XGA 1024 x 768
Sensitivity:	2000 lux f5.6
Shading:	Automatic Compensation
Gain:	0 - 12 db or auto level (ALC)
Shutter:	1/30 - 1/100,000 or AES
Lock Scan:	1/30 - 1/100,000 1H steps
Gamma:	0.45 or 1.0 selectable
White Bal:	ATW / Memory / Preset
Masking:	6 vector saturation and hue
Auto Knee:	On / Off
Contrast:	Off / Normal / High
Integration:	1/30 - 4 sec
Trigger:	Frame-on-Demand Mode, 1 Trig.
Sync:	Internal / External H and V drive
Outputs:	CameraLink 30 bits per pixel Selectable Positive or Negative Image
Remote:	RS-232C
Lens Mount:	C-Mount
Power:	12 volts DC approx. 8 Watts
Size:	(W x H x D) 65 x 65 x 130 mm
Weight:	600 grams



HV-F31CL CameraLink Output
900 Mbps dual connector, medium configuration.

700 Mbps single connector, base configuration.