

3 CCD Progressive Scan SXGA Color Camera

HV-F22CL



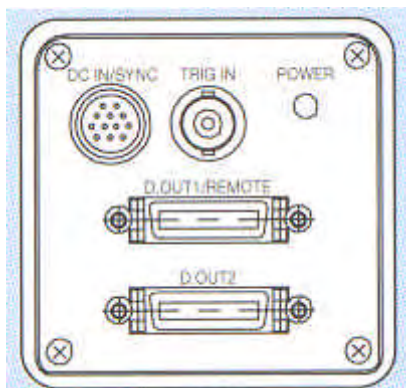
1/2" Progressive Scan SXGA 3CCD Color Camera HV-F22CL

- 1/2 inch Progressive Scan 3 CCD
- SXGA (1360 x 1024) resolution
- 15 frames per second
- 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
- Output: SXGA 1280 x 960 (RGB 15 fps)
- Internal or External Sync Mode
- Frame-on-Demand Mode
- RS-232C Remote Control for all Functions

Incorporating 3 1/2 inch 1.45 million pixel progressive scan CCD's the HV-F22CL 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 15 fps, with full SXGA resolution. RGB data is output at 30 bits per pixel enabling 1024 shades of gray for each channel. Featuring a 3rd generation DSP, the KP-F22CL 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 handled via the CameraLink interface.

Specifications

Imager:	3 1/2 inch Progressive CCD's
Pixels:	1360 x 1024 (3)
Resolution:	SXGA 1360 x 1024
Sensitivity:	2000 lux f8.0
Shading:	Automatic Compensation
Gain:	0 - 12 db or auto level (ALC)
Shutter:	1/15 - 1/100,000 or AES
Lock Scan:	1/15 - 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:	1/15 - 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-F22CL CameraLink Output
900 Mbps dual connector, medium configuration.

700 Mbps single connector, base configuration.