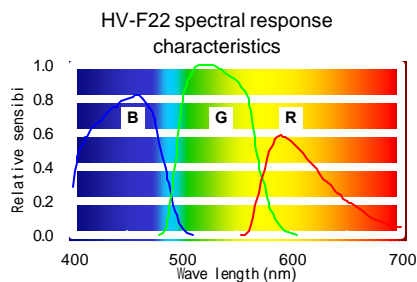


3 CCD Progressive Scan SXGA Color Camera HV-F22F



1/2" Progressive Scan SXGA 3CCD Color Camera HV-F22F

- 1/2 inch Progressive Scan 3 CCD
- SXGA (1360 x 1024) resolution
- 7.5 frames per second
- IEEE-1394 IIDC (Ver. 1.30) Output
- 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:
 - SXGA 1280 x 960 (YUV or RGB 7.5 fps)
 - SXGA 1360 x 1024 (YUV or RGB 7.5 fps)
 - VGA 640 x 480 (YUV or RGB 30 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-F22F** produces excellent image quality with high vertical resolution for use in medical, microscopy, and other image processing applications. The IEEE-1394 interface allows easy connection with a computer permitting resolution in the SXGA or VGA ranges. The frame rate, bits per pixel and resolution are related and can be selected to best meet the imaging requirements. Featuring a 3rd generation DSP, the **KP-F22F** 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 external sync, trigger input, and strobe output signals. Power can be input through the 12 pin Hirose or through the IEEE-1394 connector.

Specifications

Imager:	3 1/2 inch Progressive CCD's
Pixels:	1360 x 1024 (3)
Resolution:	SXGA 1360 x 1024 or 1280 x 960 VGA 640 x 480
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:	IEEE-1394 IIDC (Ver. 1.30)
	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