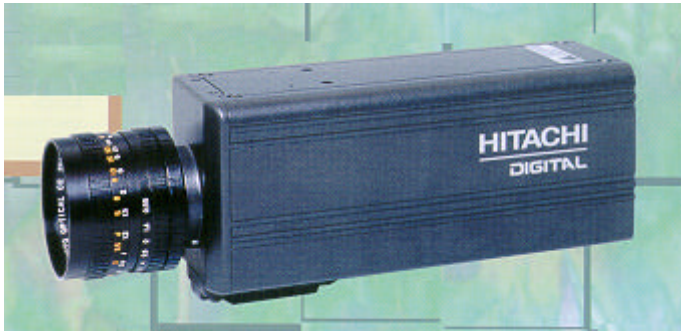


Progressive Scan KP-F110



2/3 Inch 1024 x 1024 Pixel, Digital Output KP-F110

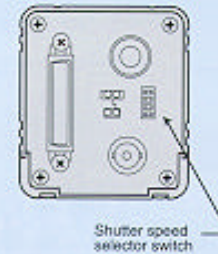
- 1 Million Pixels 1024 x 1024
- Progressive Scan with Square Pixels
- 10 bit Dual Channel Digital Output
- 30 Frames per Second
- Multiple Step Electronic Shutter
- Frame-on-Demand Mode
- Internal or External Sync Mode
- 50% Quantum Efficiency at 400 nm

Specifications

Imager:	2/3 inch Interline type Progressive Scan CCD
Pixels:	1024 x 1024
Cell Size:	6.7 x 6.7
Aspect Ratio:	1 : 1
Min. Illum:	1.0 lux at f1.4
S/N:	50 db
Gamma:	0.45 or 1.0 (Analog Out)
AGC:	On / Off (Analog Out)
Shutter:	1/30 - 1/10000, eight steps
Sync:	Internal / External
Trigger:	Frame on Demand - 3 modes
Output:	Analog: 1.0 V p-p 75 ohms Digital: RS-422A 10 bit dual ch. 24.3MHz / ch.
Power:	12 volts DC 800 ma
Size:	(W x H x D) 65 x 75 x 190 mm
Weight:	700 Grams
Lens:	C-Mount

The **KP-F110** is a monochrome, high resolution, progressive scan camera with dual channel RS-422A 10 bit digital outputs. An excellent choice for machine vision and imaging systems, the camera features a 1.05 million pixel CCD array with square pixels, and a real time 30 frame per second digital video output. Equal horizontal and vertical resolutions are achieved with the 1 : 1 aspect ratio of the CCD. For monitoring purposes, an analog video output is provided. The frame on demand function, with 3 modes of trigger operation, allows images to be captured and output immediately by use of an external trigger pulse. An eight step electronic shutter is provided, along with internal or external sync modes, to make for a versatile installation of the camera in an imaging system. High speed digital outputs allow direct connection to the image processing equipment.

◆ Electronic shutter



Setting of shutter mode and shutter speed

Speed	1/30	1/60	1/125	1/500
Position of each switch				
Speed	1/1000	1/2000	1/4000	1/10000
Position of each switch				

