

# Compact VGA Progressive Scan KP-F32F

**IEEE-1394.b  
Firewire® 800**



## 1/2 Inch Compact VGA Progressive Scan Camera KP-F32F

- Compact Rugged Design
- IEEE-1394.b (Firewire 800) Output  
2 Ports
- Dual Speed 60 Frames / Second
- VGA 640 x 480 Resolution
- Multiple Step Electronic Shutter
- Fixed / Manual / Auto Gain Mode
- Frame-on-Demand Mode

### Specifications

Imager:	1/2 inch Interline type Progressive Scan CCD
Pixels:	659 x 494
Cell Size:	9.9 x 9.9
Aspect Ratio:	4 : 3
Scan Mode:	Progressive
Resolution:	VGA 640 x 480
Min. Illum:	10 lux at f1.4
Gamma:	1.0 or LUT
Gain:	Manual, Fixed, or AGC
Shutter:	8 steps 1/60 - 1/100000
Trigger:	Frame-on-Demand 3 modes One Trigger, Fixed Shutter, Reset Control
Output:	IEEE-1394.b (Firewire 800) IIDC1394 Ver,1.31 800 / 400 / 200 Mbps
Image Format:	Mono 8 / Mono 16
Power:	12 volts DC 3.5 watts
Size: (W x H x D)	44 x 44 x 54 mm
Weight:	130 grams
Lens:	C-Mount

Designed for use in factory automation and industrial vision systems, the **KP-F32F** features a compact size, square pixels, and progressive scan to provide high vertical resolution of moving objects. Featuring a IEEE-1394.b output the **KP-F32F** can operate at 60 frames per second, with VGA resolution of 640 x 480 pixels. Two IEEE-1394.b output ports are provided on the rear of the camera allowing loop through to another camera. The camera is compliant with Digital Camera Specification IIDC1394 Ver,1.31, and can operate at 800 / 400 / 200 Mbps, with an image format of Mono 8 or Mono 16. Standard features include an eight step electronic shutter featuring a maximum speed of 1/100,000 second, selectable gamma with LUT (look up table) and fixed, manual or automatic gain control. A frame-on-demand function is available for capturing moving objects at a desired timing. In the one trigger mode of operation, the rising edge of the trigger pulse starts the exposure, the duration of the trigger pulse controls the integration time, and the falling edge of the trigger pulse resets vertical sync and delivers the triggered image. The camera can also be operated in a fixed shutter mode or a reset control mode.

