

Ultra Compact High Resolution Analog Progressive Scan KP-F80



1/3 Inch High Resolution Progressive Scan Camera KP-F80

- **High Resolution 800 TV lines**
- **Ultra Compact Rugged Design**
- **30 Frames / Second**
- **Multiple Step Electronic Shutter**
- **Internal or External Sync Modes**
- **Fixed / Manual / Auto Gain Mode**
- **Frame-on-Demand Mode**
- **External Mode Selection Switches**

Specifications

Imager:	1/3 inch Interline type Progressive Scan CCD
Pixels:	1034 x 779
Cell Size:	4.65 x 4.65
Aspect Ratio:	4 : 3
Scan Mode:	Progressive
Resolution:	800 TV lines
Min. Illum:	1.0 lux at f1.4
S / N:	54 db
Gamma:	1.0
Gain:	Manual, Fixed, or AGC
Shutter:	8 steps 1/30 - 1/50000
Sync:	Internal / External
Trigger:	Frame-on-Demand 3 modes One Trigger, Fixed Shutter, Reset Control
Output:	30 F/s 1.0 Volts p-p
Power:	12 volts DC 2.2 watts
Size: (W x H x D)	29 x 29 x 38.5 mm
Weight:	55 grams
Lens:	C-Mount

Designed for use in factory automation and industrial vision systems, the **KP-F80** features high resolution in an ultra compact size, square pixels, and progressive scan to provide high vertical resolution of moving objects. Featuring a single output connection, the **KP-F80** operates at 30 frames per second, with 800 lines of horizontal resolution. Standard features include external switch selection for all modes of operation, with an eight step electronic shutter featuring a maximum speed of 1/50,000 second, internal or external sync modes, 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.