

High resolution color camera

Start of sales

Now on sale

KP-F100C

Shipping schedule

Now on sale

A. Outline

Color type high picture element (pixel) camera

Digital output

B. Selling points

High resolution square pixel CCD (RGB colors in Bayer pattern)

Easy software compiling for frame grabber applications

Astonishingly small size for a high pixel color camera

Frame on demand

C. Configuration



D. Main specifications and functions

Imaging device	2/3-inch CCD with all pixel readout system (Bayer pattern)
Effective pixels	1300 (H) × 1030 (V)
Synchronization	Internal/external (HD/VD)
Scanning system	Non-interlace
Scanning frequency	Horizontal: 12.528 kHz, vertical: 12 Hz
Aspect ratio	5 : 4
Electronic shutter	1/12 to 1/10000 second
All pixel readout	12 frames per second (non-interlace)
Power supply voltage	12 VDC
Square pixel size	6.7 (H) × 6.7 (V) μm
Dimensions	44 (W) × 44 (H) × 110 (D) mm
Mass	Approx. 200 g
Video output signals	Digital: EIA-644, single channel 10 bit: 20.2 MHz
Lens attachment	C mount

E. Suggested markets

Industrial automation, traffic surveillance, microscopy, image processing

F. System requirements

The camera needs to be incorporated into a system using a frame grabber or similar equipment.