

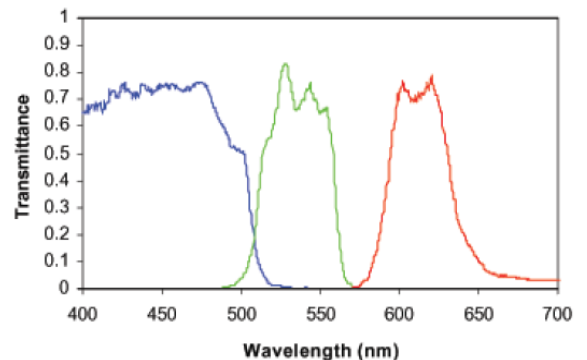


## Performance Specifications

Image device	1-inch Interline Transfer CCD
Picture elements	1920(H) x 1080(V)
Pixel size	7.4 x 7.4 $\mu\text{m}$
Pixel clock rate	25 Mhz
Sensing area	14.2 x 8 mm
Frame rate	10 frames/second
Digital image output	8 bits x 4 taps or 10 bits x 3 taps, CameraLink, EIA-644 (LVDS) or RS-422
Signal/Noise	60 dB
Lens mount	Nikon Bayonet Mount
Electronic shutter	Range: 1/10,000 - 1/10 sec., controlled via RS-232 input
Gain selection	Range: 0-36 dB, controlled via RS-232 input
External trigger input	Edge or level, three modes
External trigger source	BNC or Frame Grabber (optical isolator on BNC)
Exposure control	Manual or automatic
White-balance	Manual or semi-automatic
Noise reduction	Correlated double sampling
Usability features	Digital crosshairs, color-plane multiplexing
Operating temperature	0-50 $^{\circ}$ C
Operating voltage	12 VDC
Power consumption	15 Watts
Weight	1.8 kg
Programmable functions	Gain, exposure time, multiplexing, trigger modes, custom processing
Options:	
DirectView output	Progressive scan RGB (1280 x 1024 max display resolution) Gamma correction 2x and 4x digital zoom

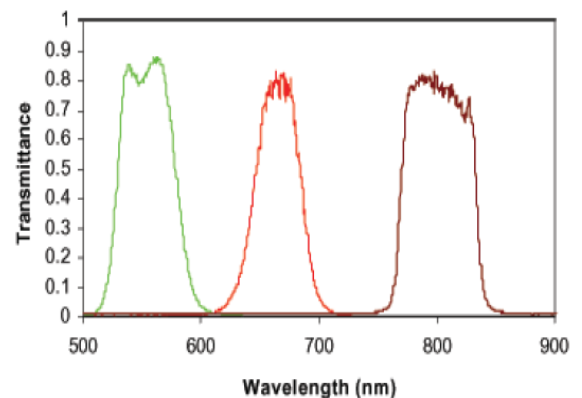
## RGB Configurations

Acquires separate red, green, and blue image planes for outstanding color fidelity.



## CIR Configurations

Color-Infrared imaging acquires red, green and near-infrared bands approximating Landsat satellite bands.



## Dimensions (mm)

