

FV-G030B1 Product specifications

Imager	1/3" interline VGA monochrome progressive CCD	
Active picture elements	VGA : 648 (H) × 494 (V)	
Cell size	7.4 (H) × 7.4 (V) μm	
Vertical frequency (Frame rate)	89.91172 Hz at full resolution 0.72028 to 360.33325 Hz adjustable via the communication (Frame rate depends on the AOI setting) Maximum frame rate (360.33325 Hz) is when vertical resolution AOI setting is 104.	
Horizontal frequency	47.2028 kHz	
Pixel frequency	36.8181 MHz	
Minimum scene illumination	0.58 lux at F1.2, 89.91172 Hz	
Sync. System	Internal	
Video output format	Digital 8, 10 or 12 bit Raw data	
Exposure time	Preset continuous mode: 10 $\mu\text{seconds}$ to 16,777,215 $\mu\text{seconds}$ Preset trigger mode: 10 $\mu\text{seconds}$ to 16,777,215 $\mu\text{seconds}$ Pulse width mode: 10 $\mu\text{seconds}$ to Unlimited	
Gain	0 to 20.4 dB	
Gamma	Gamma 1.0 (Factory default) or uploadable gamma table	
Power supply	Input voltage	+ 10.8 to 26.4 Vdc
	Consumption	Less than 5.0 W
Dimensions	35 (W) × 35 (H) × 50.8(D) mm (NOT Including the connector)	
Lens mount	C mount	
Weight	Approximately 120 g	
Operational temperature	Minimum	Environmental temperature -5 deg. C
	Maximum	Camera housing temperature (top plate) shall not exceed 65°C (This corresponds to an environmental temperature of approximately 35°C)
Storage temperature	Environmental temperature -30 to 65 deg. C	