



## BV-C1800 High Sensitive CMOS Color Camera

BV-C1800 utilizes newly developed 2/3 inch CMOS sensor and it achieves minimum illumination of 0.025 lux.



Newly developed CMOS sensor uses multi sampling technology which is 64 times in One frame period and realizes high sensitivity without reducing a frame rate. The pixel number is 1.3Mega and HD formats such as 720P25/30,1080P25/30 and 1080i25/30 are available through HD-SDI interface. Analog output is also available. BV-C1800 equips such functions as wide dynamic range or fog reduction suitable for security applications.



Items		Specifications		
Sensor		2/3 inch CMOS Effective pixels : 1280x1024, Pixel size: 7.1μm x 7.1μm		
Synchronization		Internal		
Minimum Object Illumination		0.025lux (AGC:30dB, Lens iris F1.2, 25IRE output)		
Multi sampling		64times accumulation / one frame		
S/N		52dB (Typical)		
Video Output	Digital	HD-SDI		
		Output format	Clock Frequency	Frame Rate
		1280 x 720P	74.25MHz	25 / 30fps
		1920 x 1080P	74.25MHz	25 / 30fps
	1920 x 1080i	74.25MHz	25 / 30fps	
	Analog	NTSC (Horizontal: 15.734KHz, Vertical: 59.94Hz)		
Electronic shutter		1/30 ~ 1/30,720sec.(AES)		
White balance		ATW (Auto tracking) / AWB(One push)		
Gamma correction		0.45 / 0.65 / 1.0		
AGC		30dB		
High dynamic range		OFF / LOW / MID / HIGH selectable		
Back light control		ON / OFF		
Auto iris lens control		DC control		
Communication interface		RS-232C 9600bps,19200bps,38400bps,57600bps,115200bps		
Lens mount		C mount		
Power		DC12V ± 10%		
Operating temperature / Himidity		-5°C ~ +45°C / 20% ~ 80% (Non-condensing)		
Dimensions (WxHxD)		60mm x 125mm x 59mm		
Weight		385g		

■ This specifications are subject to change without prior notice.