



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.