

Flare™ 2KSDI



2K • 1080p • 720p



Features

- Compact one-piece rugged color camera
- SYNC IN for 3D and genlock capability
- YCbCr, and RAW color modes
- Low noise and high light sensitivity
- Auto-exposure and auto white balance
- Adjustable color matrix, saturation, and gamma

Applications

- Broadcast and cinema
- Recording on vehicles and aircraft
- Medical
- Security

IOI
IO INDUSTRIES

Specifications

Camera Specifications

| Features | | Output Modes |
|------------------------|--|--|
| Sensor Size (H x V) | 2048 x 1088 pixels | Single Link HD-SDI: • 720p 10bit 4:2:2: 23.98, 24, 25, 29.97, 30, 50, 59.94, 60 • 1080p 10bit 4:2:2: 23.98, 24, 25, 29.97, 30 • 1080i 10bit 4:2:2: 50, 59.94, 60 • 2K 10bit 4:2:2: 23.98, 24, 25, 29.97, 30 Single Link 3G-SDI: • 1080p 10bit 4:2:2: 50, 59.94, 60 • 2K 10bit 4:2:2: 47.95, 48, 50, 59.94, 60 All modes also supported in RAW output For other modes please contact IO Industries |
| Maximum Frame Rate | 60 fps at 1080p | |
| Sensor Details | 60 dB CMOS, 5.5 x 5.5 µm pixels (12.7mm diagonal) | |
| Shutter | Pipelined global shutter with correlated double sampling | |
| Image Type | 4:2:2(Y'Cb'Cr'), or RAW (Bayer) | |
| Pixel Format | 10-bit | |
| Video Interface | 3G/HD-SDI, both clean feed and OSD feed | |
| White Balance | Automatic (AWB), tracking AWB, or manually adjustable | |
| Color Adjustment | Color matrix, saturation | |
| Black/White Adjustment | Master pedestal, black gamma, knee point | |
| Camera Control | RS-485, handheld remote or PC control, up to 1000 ft | |
| Synchronization | External tri-level sync input | |
| Exposure Control | Automatic (AEC) or manually adjustable in 1/8-degree steps | |

Mechanical / Electrical Specifications

| | |
|---------------------|---|
| Housing Size | 63.5 x 63.5 x 44.1 mm |
| Ambient Temperature | Up to 50°C |
| Lens Mount | C- Mount or T-Mount |
| Ports | (2) SDI, (1) SYNC IN, (1) 12-pin Hirose |
| Power Requirements | 12 VDC (via Hirose) |
| Power Consumption | 4.5 W |
| Weight | 310 g |

