

# 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



# 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

