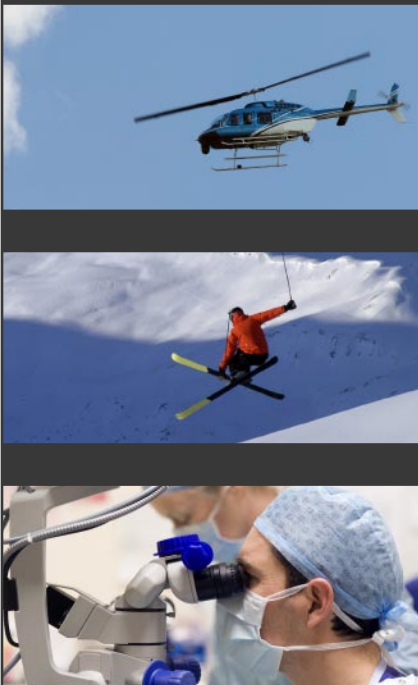


# Flare™ 1080p240



Full HD • 1080p  
240fps



## Features

- Compact one-piece rugged color camera
- (2) 3G-SDI connections (DUAL or REPEAT)
- Genlock for 3D synchronization
- Color 4:4:4(RGB) and 4:2:2(Y'Cr'Cb')
- RAW color up to 240fps in 2K, 1080p, or 720p
- Low noise and high light sensitivity

## Applications

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

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# Specifications (Preliminary)

## Camera Specifications

Features		Output Modes
Sensor Size (H x V)	2048 x 1088 pixels	<b>Single Link HD-SDI:</b> <ul style="list-style-type: none"> <li>• 720p 10bit 4:2:2: 50, 59.94, 60</li> <li>• 1080p 10bit 4:2:2: 25, 29.97, 30</li> </ul> <b>Dual Link HD-SDI:</b> <ul style="list-style-type: none"> <li>• 1080p 10bit 4:2:2: 50, 59.94, 60</li> <li>• 1080p 12bit 4:2:2: 25, 29.97, 30</li> </ul> <b>Single Link 3G-SDI:</b> <ul style="list-style-type: none"> <li>• 1080p 10bit 4:2:2: 50, 59.94, 60</li> <li>• 1080p 12bit 4:2:2: 25, 29.97, 30</li> <li>• 1080p 10bit RAW: 120</li> <li>• 2K 12bit 4:4:4: 24</li> </ul> <b>Dual Link 3G-SDI:</b> <ul style="list-style-type: none"> <li>• 1080p 10bit 4:2:2: 100, 119.88, 120</li> <li>• 1080p 12bit 4:2:2: 50, 59.94, 60</li> <li>• 1080p 10bit RAW: 240</li> <li>• 2K 12bit 4:4:4: 48</li> </ul>
Maximum Frame Rate	240 fps (progressive)	
Optical Size	2/3"	
Shutter	Pipelined Global Shutter with Correlated Double Sampling	
Pixel Size (µm)	5.5 x 5.5	
Sensor Type	60 dB CMOS	
Image Type	4:2:2(Y'Cr'Cb'), 4:4:4(RGB), or RAW (Bayer)	
Pixel Format	10 bit, or 12 bit	
Data Output Type (Interface)	3G/HDSDI Single or Dual Link	
White Balance	AWB (Automatic White Balance) or manually adjustable	
Camera Control	Wired remote, or RS-232 connection to PC	
Synchronization	External Genlock or free-run	
Exposure Control	Manually adjustable	

## 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) Genlock, (1) 12-pin Hirose
Power Requirements	12 VDC (via Hirose)
Power Consumption	2.5 W
Weight	310 g

