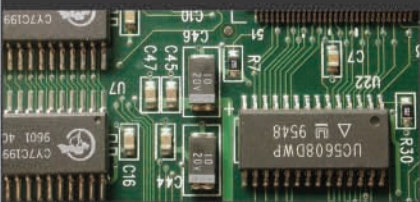


Flare™

High Resolution
Motion Capture



2MP 283fps
4MP 142fps



Features

- Monochrome and color models
- CoaxPress output with PoCXP support
- Selectable 8-bit or 10-bit pixel depth
- Advanced global shuttering with CDS
- High Dynamic Range modes
- Multiple ROIs and subsampling
- Low power consumption

Applications

- Inspection and monitoring
- Motion capture
- Research
- Broadcast and cinema



Specifications

Camera Specifications

Camera Model	2M280 - CXP	4M140 - CXP	Spectral Response
Sensor Size (H x V)	2048 x 1088 pixels	2048 x 2048 pixels	
Frame Rate (8-bit, full resolution)	283 fps	142 fps	
Optical Size	2/3"	1"	
Shutter	Pipelined Global Shutter with CDS		
Pixel Size (µm)	5.5 x 5.5		
Sensor Type	60 dB CMOS		
Image Type	Mono / Color (Bayer)		
Pixel Format	8-bit or 10-bit		
Data Output Format	Dual CoaXPress up to 3.125GHz		
Link Speeds	1.25GHz, 2.5GHz, 3.125GHz		
Link Configurations	Single or Dual		
Synchronization	Via external trigger or free-run		
Exposure Control	Trigger width or timed		

Mechanical / Electrical Specifications

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

