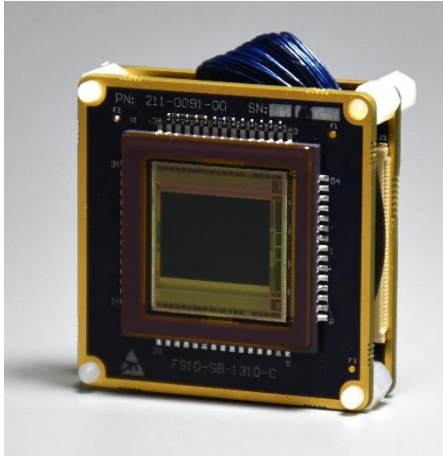


# SiOnyx XMB-1310 CAMERA CORE

## 1-inch 720p extreme low light CMOS CAMERA



### Key Performance Parameters

Parameter	Value
Sensor	SiOnyx 1.3MP CMOS
Minimum Illumination @f1.2, 30fps	0.001 Lux (mono)
Optical Format	1-inch (4:3)
Auto Exposure Range	22usec to 500msec
Video Output	CameraLink, parallel, or LVDS
Video Type	Uncompressed 12 bit
Image Latency	0.25 msec
Shutter Type	Rolling
Video Resolutions	1280x720
Frame Rate	60 FPS (720P), 50, 30, 25, 15, 10
Connector	Flex cable
Serial Comm Port	UART serial
IR Cut Filter	Manual filter
Lens Mount	Circuit Boards only
Operating Temperature	-10°C to +40°C
Functional Temperature	-20°C to +65°C
Power Supply	5 VDC
Power Consumption	1.1W @ full frame rate
Dimensions (mm)	38(w) x 38(h) x 10(l)mm
Weight	<30 g

### Features

- SiOnyx extreme low light technology
- 0.001 Lux video
- Monochrome
- 2D noise reduction
- Auto exposure / Auto gain
- 5VDC
- Uncompressed RAW video output
- CameraLink, parallel data output or LVDS
- Serial control interface
- Alternate outputs available with customization

### General Description

The SiOnyx XMB-1310 Camera Core has been developed for extreme low light imaging in applications that demand the smallest Size, Weight, and Power (SWAP). The camera features SiOnyx's breakthrough extreme low light sensor technology, which offers unprecedented near infrared sensitivity and enables new unassisted night vision imaging. The SWAP performance makes the XMB-1310 the go to choice for battery operated nightvision applications.

Ordering Information:

MODEL NUMBER	TYPE
XMB-1310-M	Monochrome version

