



FEATURES

- **Radiation Tolerant Design**
 - 30 krads EEE parts
 - 100 krads Optional
 - Rad Hard Glass > 800 Mrad
 - SEL > 37 MeV-cm²/mg
- **Very Low Read Noise Based on Scientific CMOS Imager**
- **Space Heritage Lens Designs Available**
- **SpaceWire Interface**
- **Applications Include Space Situational Awareness, Earth Imaging**

5MP SPACE CAMERA SPECIFICATIONS

Active Array Size	2560 (H) x 2160 (V)
Pixel Size	6.5 μm x 6.5 μm
Chroma	RGB or Monochrome
Shutter Type	Rolling Shutter (RS), Global Shutter (GS)
Maximum Frame Rate	100 fps (RS), 50 fps (GS)
ADC Resolution	22 bits (2 x 11-bit)
Dynamic Range	> 83.5 dB

Dimensions ≤ 10.7 cm L x 8.4 cm W x 23.8 cm H with baffle

Mass < 1 kg

Power 4W maximum

Read Noise < 2 e- RMS (RS), <5 e- RMS (GS)
Median value, high gain output (30x)

Field Of View 29°, 39°, 80° standard optical lenses
Custom Field of View Available

Electrical Interfaces

Input Voltage 5V

Data Interface SpaceWire at 80 Mbps

Operating States and Modes

Still Image Capture, Health and Status, Code Upgrade

Mission Assurance

Temperature Range -20 to +55° C (Operational)

-30 to +85° C (Non-operational)

Vibration Up to 20 Grms Acceptance

Parts Level Options Commercial Space, NASA Level I, II, III

Design Life Up to 10 years LEO/GEO