## 4K Space Camera Specifications (DRAFT)

### Dimensions
6.5” L x 7.0” W x 6.0” H

### Mass
1.75 kg

### Power
60W maximum

### 4K Resolution Imager
Frame size 4096 pixels by 3072 line, 12 bit Bayer
Optical - minimum of .35 at 91 lp/mm across the FOV
Up to 130 frames per second

### Field Of View
80°

### Radiation Tolerance
- **Single Event Functional Interrupt**
  Mitigated with H-Core (Space Micro Patented Watchdog)
- **Single Event Upsets**
  1.0 E-3 events per year
- **Total Ionizing Dose**
  30 kRad (Si)
- **Single Event Latch-up**
  Immune to SEU with 37 MeV-cm²/mg minimum onset

### Electrical Interfaces
- **Input Voltage**
  28V +/- 6
- **Data Interface**
  CAUI, CAN
- **Data Rate**
  Up to 100 Gb/s

### Operating States and Modes
Still Image Capture, 4K Video, Health and Status, Code Upgrade

### Mission Assurance
- **Temperature Range**
  -10 to +50° C (Operational)
  -30 to +50° C (Non-operational)
- **Vibration**
  Up to 10 Grms Acceptance
- **Parts Level Options**
  Commercial Space, NASA Level I, II, III
- **Design Life**
  Up to 5 years LEO

---

**Features**
- Radiation Tolerant Design
- Various Parts Level Available
- 12 Megapixel Camera
- Rad Hard Glass Lens

---

Specifications Subject to Change Without Notice. Rev 3

8/4/2017

10237 Flanders Court
San Diego, CA 92121
Tel: 858.332.0700
Email: sales@spacemicro.com
www.spacemicro.com