BUZZARD

50 MP, 12 to 15 FPS, Full frame
Embedded Linux
EF Mount
UDP over TCP Output
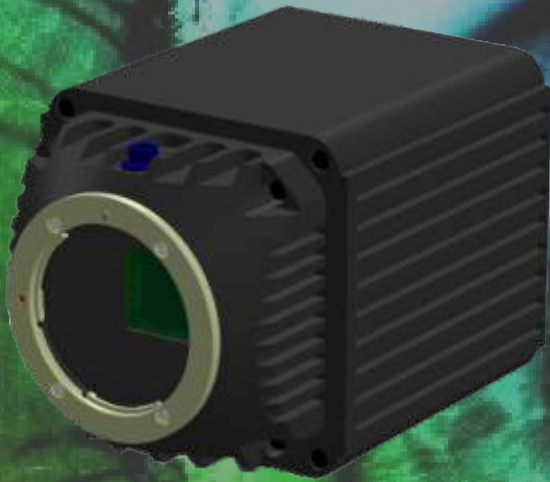
Buzzard is a 50MP camera, delivering live video with speeds of 12 to 15FPS. Ideal for Wide Area Persistent Surveillance platforms, (covert) surveillance, geomapping and ISR platforms. Embedded Linux for full camera control. ITS proprietary BitSqueeze™ technology makes sure that the image is compressed in a way that the high resolution is still useable without any noticeable loss of quality.

Key features

- BitSqueeze™ technology
- 50MP
- Embedded Linux

Applications

- ISR
- Wide Area Persistent Surveillance platforms
- Security and surveillance
- Geomapping

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NIGHT VISION THERMAL IMAGING CAMERA DEVELOPMENT

EXTRAORDINARY CAMERA SYSTEMS

BUZZARD

System basics	
Type	Full colour 50MP CMOS camera
Sensor size / diagonal	36.4x27.6mm / 45.6mm
Sensor resolution	50MP (7920x6004)
Dynamic range	72dB
Spectral range	400 – 1000 nm
Frame rate	12 to 15 FPS, UDP over TCP

Input and output	
Output	Ethernet
Interface	UDP over TCP/IP
Power	DC power plug
External trigger input	5-24 Volt DC

Features	
Image processing	Powerful, FPGA based, digital image enhancement: white balance, gamma correction, brightness, defect pixel correction, etc. **ShadowBoost™** for improved visibility of dark areas and **BitSqueez™** compression technology
Camera control	Full control through embedded Linux.
Lens mount	EF Mount (with lens control), full frame, other mounts on request

Physical dimensions	
Size	length: 120 mm width: 100mm height: 100mm*

Power	
Input voltage	9-14 Volt DC

Environmental parameters	
Operating and storage temperature	-30°C to +75°C, -40°C to +85°C

*alternative sizes available on request

Preliminary specifications

BUZZARD

Desings and specifications are subject to change without notice.

NIGHT VISION   THERMAL IMAGING   CAMERA DEVELOPMENT

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