

SEQUOYAH CAMERA

Flexible full colour camera
High resolution, full HD
Linux platform for camera controls
High dynamic range
HD-SDI output

Sequoyah is a camera unit especially designed for integration and stand alone use. Whether in need of a camera for Local Situational Awareness, covert surveillance mission, surveillance platform or fusion sensor suite, Sequoyah is your solution. Designed to integrate overlays, suitable to be bore sighted, full access to all camera functions through combined FPGA and Linux driven system. High dynamic range, integrated ShadowBoost™ technology and high resolution. Combined with ITS' flexible in-design support this camera can be implemented into vehicle camera systems and RSTA platforms. The camera is also perfect for stand alone covert surveillance missions. With good low light level performance, it also offers colour video feeds down to quarter-moon situations, paired with powerful video processing.

Key features

- ShadowBoost™ technology for enhanced dynamic range
- High resolution
- Full Camera control
- Flexible platform

Applications

- Vehicle camera systems
- Surveillance system
- Covert surveillance
- RSTA sensor platforms



ITS

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NIGHT VISION THERMAL IMAGING CAMERA DEVELOPMENT

EXTRAORDINARY CAMERA SYSTEMS

SEQUOYAH CAMERA

System basics

Type	Full colour CMOS camera core
Sensor	Sony IMX252LQR-C Pregius, global shutter
Optical format	1/1.8 inch
Resolution	1920 x 1080 (3.15 MP active pixels)
Dynamic range	10 bit and ShadowBoost™
Spectral range	400 – 1000 nm
Frame rate	25Hz/60Hz
Detection limit	~5 mLux

Input and output

Output	HD-SDI
Interface	RS232, Ethernet, USB

Features

Image processing	Powerful, FPGA based, digital image enhancement: Overlays, white balance, gamma correction, digital zoom, brightness, defect pixel correction, etc. ShadowBoost™ for improved visibility of dark areas, EASE™ for live edge enhancement
Camera control	Gain, integration time, exposure, sync, iris, set boresight, etc.
Operating System	Linux OS, full access to all camera functions, adjustable and expandable features via software

Physical dimensions

Size	130mmx71mmx65mm (lwxhx)
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Power

Input voltage	12 Volt DC, ~5 Watt
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Environmental parameters

Operating and storage temperature	-30°C to +75°C, -40°C to +85°C
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ITS offers full technical and mechanical support
Output formats and connectors on request
Preliminary specifications

SEQUOYAH



Designs and specifications are subject to change without notice.

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SIGHT VISION THERMAL IMAGING CAMERA DEVELOPMENT

EXTRAORDINARY CAMERA SYSTEMS