

EYELIKE CORE

camera core component
for system integration

Flexible full colour camera core
HD resolution
BT.656 and PAL output
Extremely high dynamic range



Eyelike Core is an extraordinary camera core, designed to operate in situations where both extreme bright and very dark areas are visible in the scene. Developed around a CMOS sensor with an extremely high dynamic range, a logarithmical response and equipped with our revolutionary **ShadowBoost™** technology. The camera core reacts the same way as the human eye, creating the perfect solution for situations where you want to see behind the light. Specially designed for system integrators, to be used as a component in a system.

Key features

- **ShadowBoost™** technology to unveil the dark parts of a scene
- Extremely high dynamic range
- Flexible platform

Applications

- Automotive
- Process automation and machine vision
- Security and surveillance
- Intelligent transportation systems
- Traffic observation



ITS

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NIGHT VISION THERMAL IMAGING CAMERA DEVELOPMENT

EXTRAORDINARY CAMERA SYSTEMS

System basics

Type	Full colour WDR CMOS camera core
Optical format	2/3 inch
Sensor resolution	1280 x 1024
Dynamic range	140 dB
Spectral range	400 – 1000 nm
Frame rate	Digital: max 54 Hz; Analog: PAL 25 Hz

Input and output

Output	Analog: PAL, Digital: 8 bit BT.656
Interface	RS232

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
Camera control	Gain, sync, etc.

Physical dimensions

Size	Diameter: 40 mm; height (PCB stack): 11 mm
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Power

Input voltage	5 Volt DC, 2 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



Designs and specifications are subject to change without notice.