



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**<sup>TM</sup> 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<sup>tm</sup> 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







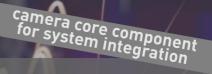


## Innovative Technical Solutions BV

Richterlaan 3C 9207 JT Drachten The Netherlands URL: www.its-hightech.nl Tel: +31 (0) 512 212410 Email: info@its-hightech.nl

NIGHT VISION THERMAL IMAGING CAMERA DEVELOPMEN

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	TO THE RESERVE TO THE PARTY OF
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 <sup>tm</sup> for improved visibility of dark areas
Camera control	Gain, sync, etc.
Physical dimensions	
Size	Diameter: 40 mm; height (PCB stack): 11 mm
Power	
Input voltage	5 Volt DC, 2 Watt
Environmental parameters	
Operating and storage temperature	-30°C to +75°C, -40°C to +85°C
	ITS offers full technical and mechanical support
	Output formats and connectors on request

Preliminary specifications



Desings and specifications are subject to change without notice.



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