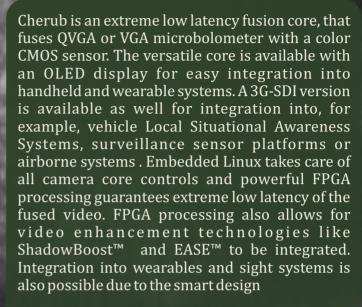




Extreme low latency
Thermal / EO fusion
Linux platform for camera controls
Improved DRI
3G-SDI and OLED output

CHERUB



## **Key features**

- Extreme low latency
- EO and IR fusion
- Very compact, modular
- Versatile design
- Embedded Linux

## **Applications**

- Vehicle camera systems
- Surveillance systems
- Remote Weapon Stations
- ISTAR sensor platforms
- Wearables, binoculars, weapon sights etc.









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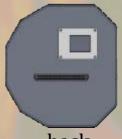
Richterlaan 3C 9207 JT Drachten The Netherlands URL: www.its-hightech.nl Tel: +31 (0) 512 212410 Email: info@its-hightech.nl

NIGHT VISION THERMAL IMAGING CAMERA DEVELOPMEN

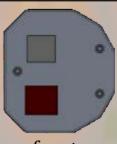


Syst	ma	ha	CI	CC

System basics			
Camera type	Fusion core, day - low light and thermal		
Sensor	Sony IMX 252 colour or monochrome		
Microbolometer	ULIS PICO 384/640		
OLED	Emagin SXGA OLED		
Resolution	1280 x 1024 pixels		
Spectral range	400 – 1100 nm + LWIR		
Framerate	6oHz		
CMOS detection limit	~0.5 mlux faceplate illumination (3 -5 mlux on scene with F1.8)		
colour			
CMOS detection limit	~100 µlux faceplate illumination (~1 mlux on scene with F1.8)		
monochrome	A SECOND PROPERTY OF STREET		
Input and output			
Digital output	3G-SDI (SMPTE 424M compliant) /PAL/Customer spe cific		
Interface	RS232, LVTTL, LVDS		
Charles Addition			
Features			
Image enhancement	Powerful FPGA based digital image enhancement ShadowBoost™,		
	EASE™, overlay, gamma, brightness, contrast enhancement etc.		
NUC	Built in NUC, shutterless control of LWIR sensor		
Digital smart fusion	Extreme low latency (< 1 line), multiple sensor settings.		
Operating system	Embedded Linux, SDK available		
1000			
Physical measures			
Dimensions	88mm diameter, 36mm height		
Options	Tetherable s ensors and OLED		
Weight	~200 grams		
Power			
Input voltage	7-28Volt DC		
Power consumption	~3 Watt		
Environmental			
parameters			
Operating	-40°C to +60°C		
temperature			
Storage temperature	-45°C to +85°C		
range			
Shock	MILSTD design		
	Design and specifications are subject to change without notice		







back

side

front



## **Innovative Technical Solutions BV**

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