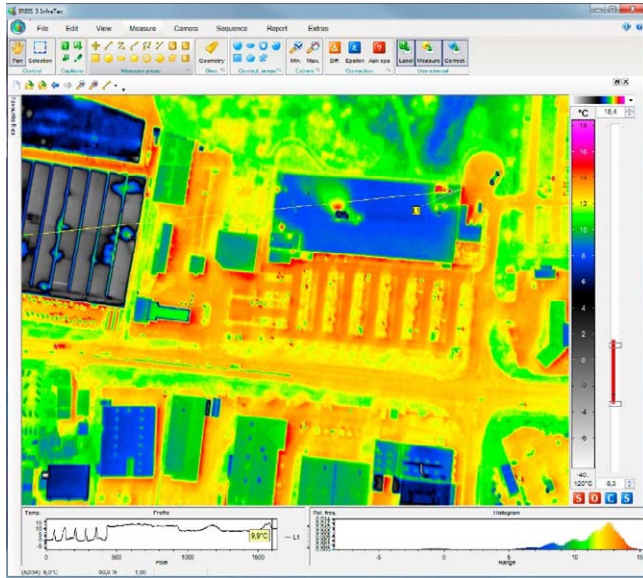


VarioCAM® HD head

Gimbal System for Helicopter Mount



Technical specifications

Thermographic Camera

Spectral range	(7.5 ... 14) μm
Detector	Uncooled Microbolometer Focal Plane Array
Detector format (IR pixels)	(1,024 x 768)
Measurement accuracy	$\pm 1.5 \text{ K}$ or $\pm 1.5 \%$
Temperature resolution @ 30 °C	Better than 0.05 K
Frame rate	30 Hz (Fullframe)
Dynamic range	16 Bit
Lens (field of view)	1.0/30 mm (32 x 25)° standard lens; 0.57 mrad 1.0/60 mm (16 x 12)° tele lens; 0.28 mrad 1.0/120 mm (8 x 6)° tele lens; 0.14 mrad
Temperature measuring range	(- 40 ... 1,200) °C

TV Color Camera

Image sensor	1/3" wide dynamic HD CMOS sensor
Effective pixels	Approx. 2 Megapixels
Lens	20x optical zoom; HFOV: (55 ... 2.9)° at 1080p/30
Digital zoom	12x

SONY High Definition Color Block Camera

Gimbal System

Dimensions	400 mm diameter
Gimbal stabilisation	Better than 25 μrad
Flight standard	RTCA 160D
Gimbal mount	Tyler nose mount

SWE 400 Triple