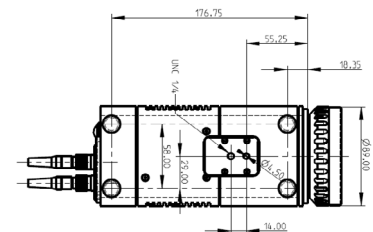
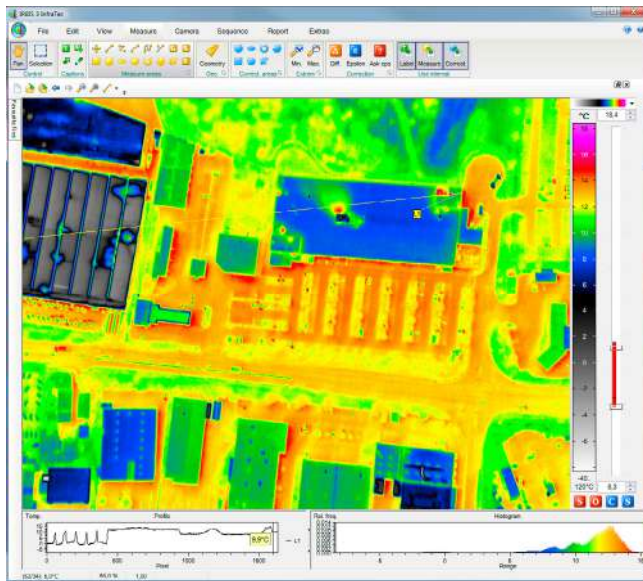


## VarioCAM<sup>®</sup> HD head

### Gimbal System for Helicopter Mount



#### Technical specifications

##### Thermographic Camera

Spectral range	(7.5 ... 14) $\mu\text{m}$
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) $^\circ$ standard lens; 0.57 mrad 1.0/60 mm (16 x 12) $^\circ$ tele lens; 0.28 mrad 1.0/120 mm (8 x 6) $^\circ$ tele lens; 0.14 mrad
Temperature measuring range	(- 40 ... 1,200) $^\circ\text{C}$

##### 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) $^\circ$ at 1080p/30
Digital zoom	12x

##### Gimbal System

Dimensions	400 mm diameter
Gimbal stabilisation	Better than 25 $\mu\text{rad}$
Flight standard	RTCA 160D
Gimbal mount	Tyler nose mount

##### VarioCAM<sup>®</sup> HD head

##### SONY High Definition Color Block Camera

##### SWE 400 Triple