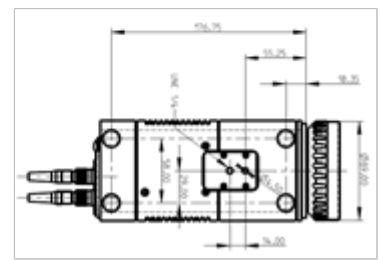
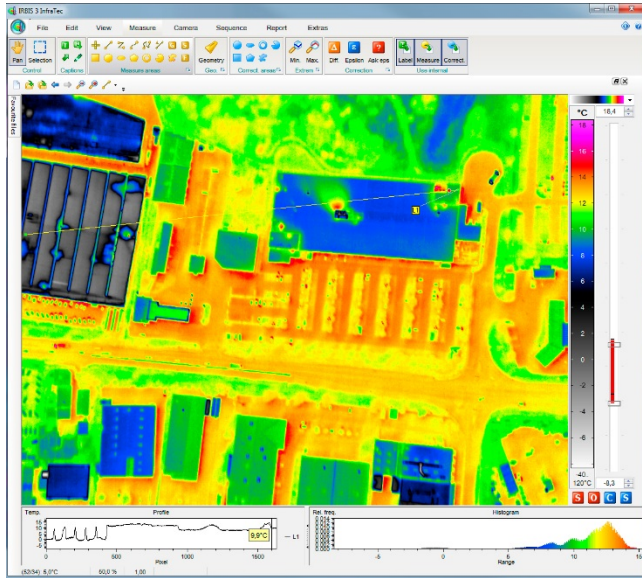


## VarioCAM® HD head

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)° 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

#### Gimbal System

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

#### VarioCAM® HD head

#### SONY High Definition Color Block Camera

#### SWE 400 Triple