



LEADER TIC Bi-Ocular

Thermal imaging camera

Multi use

Offers a broad spectrum of uses in firefighting operations but also security applications such as tactical surveillance, covert operations, border security...



Outstanding features:

- Bi-ocular : no space between eyes and breathing mask
 - **Firefighting conditions:** Ideal for very smoky conditions
 - **Security applications:** Higher discretion as no screen light and possible long distance lens
- Fully integrated video recording (6 to 48h)
- 8h operating time (charging time of only 1h)
- 5000 charging cycle battery
- 5 different color schemes
- Zoom x2 and x4
- Freeze frame
- Elastic rubber housing for superior mechanical resistance
- IP67



Bi-ocular display



Long distance lens (option)

5 colour schemes:



White hot



Black hot



Warm finder



Cold finder



Full colour mode



Characteristics:

TIC B3	160 x 120	320 x 240
Dimensions	205 x 160 x 80 mm	
Weight	1,4 kg	
View / Colour Scheme	5 Colour scheme	
Indication	Temperature bar / Hotspot / coloration	
T°C range	-40° to +600°C	-20° to +1000°C
T°C switchover	2 – HTR / LTR - automatically	
Coloration	HTR: Red >100°C LTR: Yellow: >250°C <350°C - Red: > 350°C	
Zoom	-	x2 and x4
Casing		
Material	PUR / Elastomer	
Drop Test	2m / concrete	
IP	IP67 – 1m for 30 min	
Heat resistance	150°C for 15min / 250°C for 10min	
Sensor		
Type	VOX / aSi – Resolution 160 x 120	aSi – Resolution 384x288
Spectral range	7 – 14 µm	
Frame rate	30Hz NTSC	
T°C sensitivity	0,05°C	

Optics	
Material	Germanium Carbon Coated
Focus	1m to infinity
Visual field / FOV	H: 43° V: 35° Diagonal: 53°

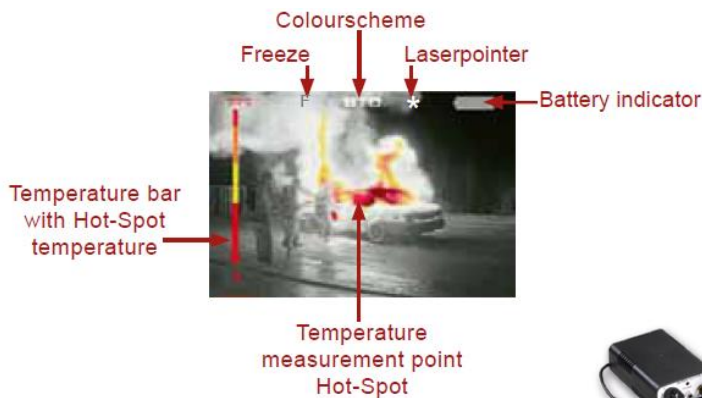
General	
Power supply	2 LiFePo ₄ -rechargeable batteries
Operating time (20°C)	> 8 Hours
Boot time	~ 3 Seconds
Charging voltage	12 / 24 VDC or 230 VAC
Charging time	~ 1 Hour
Charging cycles	> 5000
Video recording	SD card / 6 to 48hrs recording

Optional accessories	
Vehicle charging bay	Wireless transmission
Storm Carrying case	Self-retracting lanyard

Long distance Lens:
 -Front lens protection: Germanium carbon coated
 -Field of view hxv/d: 8° / 65mm
 -Human detection: 1450 m
 -Car detection: 4100 m
 -Focussed range: 3m to +∞



Screen element



Vehicle Charging Bay

Very space-saving mountable!
 A power supply 12/24 VDC or 230 VAC. Capacity to recharge the batteries in the camera.



Wireless video transmission

The video from the camera will be wireless transmitted with an additional radio module in 2.4 GHz to a receiver, to display in on any monitor or laptop.

