

# FOX THERMAL CAMERAS

**DEFSYS**  
INTEGRATED SYSTEMS

## Thermal Imaging Cameras with Continuous Zoom Lens



**FOX 320Z**



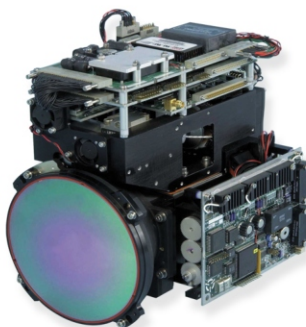
**FOX 600Z**



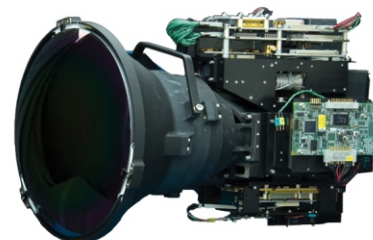
**HOUSING**



**FOX 250Z/ZE**



**FOX 450Z/ZE  
FOX 720Z/ZE**



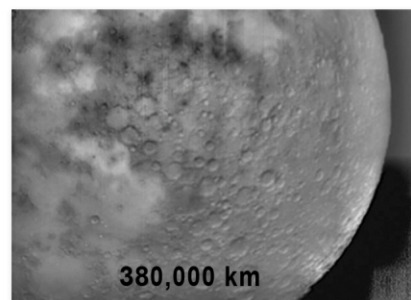
**FOX 1400Z**

### Key Features:

- InfraRed 3-5  $\mu\text{m}$  spectral range.
- A 3<sup>rd</sup> Generation InSb FPA 320x256 or 640x512 (P) Pixels standard.
- Excellent quality InfraRed picture.
- Unique InfraRed Continuous Optical Zoom Lens.
- Image enhancement capabilities.
- High quality Auto-Focus through Zoom (for all FOVs).
- Various Focal lengths.
- Local AGC Algorithms.
- Fixed CG through zoom - optional.
- Housing - optional.

### Modes of Operation:

- Optical Zoom Lens.
- Focus - Automatic or Manual.
- Gain Control - Automatic, Manual and Local Automatic.
- NUC Control.



Mode 110  
Time 1394

# FOX THERMAL CAMERAS

3-5µm IR	FOX-120Z	FOX-250Z/ZE	FOX-320Z	FOX-600Z	FOX-450Z/ZE	FOX-720Z/ZE	FOX 1400Z
<b>FOV</b>	35° - 5° (2.5°e)	27° - 2.2° (1.1°e)	16° - 1.8° (0.6°e)	20.9° - 0.8° (0.3°e)	27° - 1.2° (0.6°e)	27° - 0.76° (0.38°e)	13.7° - 0.4° (0.2°e)
<b>Continuous Zoom Power</b>	X7 (X14)	X12.5 (X25)	X9 (X27)	X26 (X70)	X22.5 (X45)	X36 (X71)	X35 (X68)
<b>Temperature</b>	-20° C to +55° C (-40° optional)						
<b>Cooling</b>	Closed cycle stirling cooler						
<b>Video Format</b>	CCIR or RS-170 (PAL or NTSC)						
<b>Communication</b>	RS-422						
<b>Power</b>	28VDC, 30 Watt						28VDC, 40 Watt

°e = electronic zoom

## Features:

- The **FOX** was the first IR Camera with a Continuous Optical Zoom Lens and has been proven in battle since the mid 1990s.
- The **FOX**-Family of Thermal Imaging Cameras is suitable for observation and scanning applications.
- The **FOX**-Family Cameras have unique image enhancement algorithms for dynamic battlefield applications.
- The **FOX**-Family Cameras provide excellent quality images for every application and for all users (user friendly).
- The **FOX**-Family Cameras use a proprietary highly powerful (up to x36) Continuous Optical Zoom Lens with quality image in all FOVs.

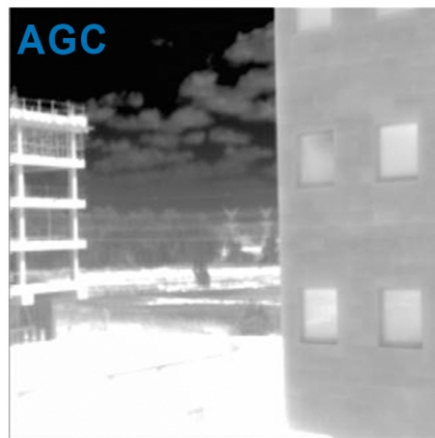


## Applications:

- Observation - Short to long ranges.
- Payloads - Airborne, Maritime, Ground.
- Weapon sites.
- Panoramic Scanning.

## Options:

- Housing for a stand alone system.
- Operating switch box.
- Mechanical adaptation kits for mounting.
- Variety of IR detectors: 320x256, 480x384, 612x512.
- Heating for -40°C



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DEFSYS reserves the right to change specifications without prior notice