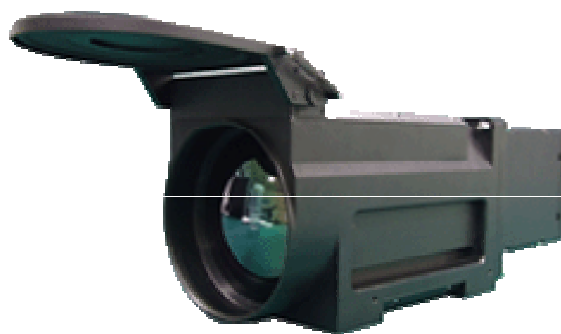


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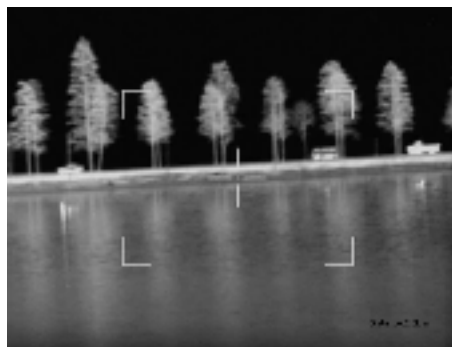
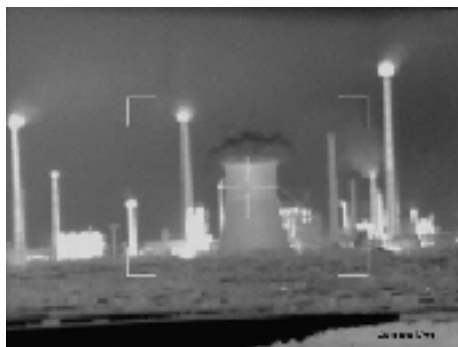
## IR136 Extreme Long Range Monitoring Infrared Thermal Camera



Offering extreme long-range thermal imaging, the IR136 is a high performance thermal camera with 240/60mm lens. It features a high sensitivity 3rd generation HgCdTe cooled FPA detector, and is ideal for night vision, intelligence, surveillance, reconnaissance, identification and tracking.

The hermetic sealing and gas-filled military standard housing protects against damage from moisture, rain, chemical corrosion, smoke and dust, impurity and sand.

Remote Control is achieved with an external keyboard or built-in serial interfaces. This includes remote control of focus, FOV, brightness/contrast of image, electronic zoom, image polarity, calibration etc., as well as lens cap monitoring (open/close).



## Performance Specification

<b>Image Performance</b>	
Detector material	HgCdTe
Pixels	320×256
Pixel pitch	30µm
Spectral range	3~5µm
NETD	<15mK @25°C
Lens	240/60mm/ f/2
FOV	2.3°×1.7° (NFOV) 9.1 °×6.9°(WFOV)
<b>Image Presentation</b>	
Video Output	PAL or NTSC, composite video
Image Color	256 level gray, B & W, B& W inverse
Image processing	<ul style="list-style-type: none"> <li>→ Auto/Manual brightness and contrast</li> <li>→ Auto compensation</li> <li>→ Auto-adjusted sky &amp; ground detection mode</li> <li>→ Nonlinear correction, no “ghost”</li> <li>→ Auto/manual NUC (non-uniformity calibration)</li> <li>→ Bad pixel correction</li> <li>→ Image polarity, image enhancement, 2X electronic zoom</li> </ul>
<b>Interface</b>	
Remote control	RS422 or RS232
<b>Power Consumption</b>	
Power consumption	When cooling ≤26W@20°C
	When stable ≤24W@20°C
<b>Environmental Specification</b>	
Operating temperature	-20°C - +60°C (-40°C - +60°C option)
Storage temperature	-55°C - +60°C
Shock	Conformity with GJB150-86
Vibration	Conformity with GJB150-86
Electromagnetic compatibility	Conformity with GJB151A-97
<b>Physical Characteristics</b>	
Size	439.5mm×144.6mm×172mm
Weight	<11kg

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