

armstrong optical

IR162 thermal imaging rifle sights



The **IR162** thermal imaging rifle sights are based on a 384x288 pixel sensor with 50mm, 83mm or 105mm lens options and have been designed to fit onto almost all existing rifles. The lightweight sights are compact, reliable and of robust performance having high shock and vibration resistance and strong recoil resistance capability

Integrating a high performance Focal Plane Array with electronics and infrared optics with a hardened and ruggedised housing, the **IR162** thermal imaging rifle sights set new performance standards in the field of hunting, gamekeeping, law enforcement and other vision applications in all climatic and weather conditions, 24/7/365.

Able to operate in daylight or at night with low or no light and immune to mist, fog and smoke, the imager eliminates the need for any external illumination or intensifier use.

Detector and imaging optics

Detector type Uncooled 384x288 pixel FPA
Spectral range 8 - 14 μ m
Eyepiece display 800x600 OLED
Polarity White hot/ black hot

Adjustments: Brightness/contrast
Operating mode: Auto/manual
Video output PAL 50Hz
Electronic zoom x2 and x4

Power System

External DC adapter DC9V...12V
Power dissipation <3.5W
Environmental spec: MIL-STD-810F

Rechargeable Li-ion camcorder battery DC4.2V
Operating time 3 - 5hrs continuous – ambient T

Optics

	IR162A	IR162B	IR162C
Lens:	50mm	83mm	105mm
Field of view:	11°x8.2°	6.6°x5°	5.2°x3.9°

Range to a 1m target

Detection:	>1,500m	>2,000m	>3,000m
Recognition:	>600m	>800m	>1,200m

Physical features

Weight:	0.82kg	0.92kg	1.20kg
Size:	236x71x69mm	266x92x92mm	288x120x120mm