

armstrong optical

IR160/161 Thermal rifle sights



The **IR106/161** thermal sights are formatted around either a 160x120 pixel or 384x288 pixel sensor with a 50mm, 83mm or 105mm lens and has been designed to fit onto almost all existing rifle systems.

The lightweight sights are compact, reliable and of robust performance having high shock and vibration resistance and strong recoil resistance capability.

Detector:

Detector type	Uncooled FPA
Spectral range	8 - 12 μ m
Sensor size	160x120 (IR160) or 384x288 (IR161) pixels
NETD	\leq 100mK
Display	800x600 OLED viewfinder
Video output	PAL 50Hz
Brightness/contrast	Auto/manual
Polarity	White hot/ black hot
Electronic zoom	x2 (also x4 in IR161)

Optics:

	IR160A	IR160B	IR160C	IR161A	IR161B	IR161C
Lens	50mm	83mm	105mm	50mm	83mm	105mm
FoV	4.6°x3.4°	2.8°x2°	2.2°x1.7°	11°x8.2°	6.6°x5°	5.2°x3.9°

Power System:

External DC adapter	DC9V...12V
Rechargeable Li-ion camcorder battery	DC4.2V
Power dissipation	<3.5W
Operating time	>8hrs continuous – ambient T

Physical:

Colour	Black
Weight	0.81kg – 1.20kg

Environmental spec: MIL-STD-810F