



THERMAL IMAGING DEVICES

QUANTUM

XD19A

PL77318



- 384x288 resolution with 50hz refresh rate
- 2x magnification with 2x and 4x digital zoom
- 1,000yd detection range (human size target)
- White-hot / black-hot viewing modes
- 7 color palette modes
- Rangefinding reticle for hogs, deer, and rabbits
- Display off function to save battery life
- Manual, automatic, and semi-automatic calibration modes
- City, forest, and identification viewing modes
- LCD display
- Brightness and contrast adjustments
- Video output
- Quick start-up
- External power supply adaptable
- Compact and light weight

TECHNICAL SPECIFICATIONS

Quantum XD19A 1-4x16 -PL77318

Frame rate, Hz	50
Microbolometer resolution, pixels	384x288
Sensor response	LWIR
Spectral sensitivity, μm	7.7...13.2
Pixel pitch, μm	25
Display type	LCD Display
Display resolution, pix	640x480
Video output	PAL/NTSC
Pin type of video input/output	Jack 3.5 mm
Operation modes	city, forest, identification
Defective pixel repair option	yes
Magnification, x	1 - 4
Digital zoom, x	2;4
Lens diameter, mm	16
Lens focus, mm	19
Relative aperture, D/f'	1:1.2
Field of view, °, horizontal * vertical	26.8 x 20.8
Field of view, m@100m, horizontal * vertical	50.5 x 38
Minimum focusing distance, m	3
Eye relief, mm	20
Exit pupil, mm	8
Diopter adjustment, dptr.	± 5
Focusing type of distance	internal
Range of detection, yd/m	515 / 470
Power supply, V	4 ÷ 6
Battery type	4xAA
Battery life, hour	5.5
External power supply	DC 8.4 ÷ 15
Lens material	germanium
Body material	glass-nylon composite
Tripod mount, inch	2x1/4
Type of mount for additional accessories	weaver
Operating temperature, °C/°F	- 15 ... 50 / 5 ... 122
Degree of protection	IPX4
Calibration	manual, automatic, semi-auto
Dimensions, in/mm	7.1 x 3.4 x 2.3 / 180 x 86 x 59
Weight (without batteries), oz	11.3



INCLUDED ACCESSORIES

- Carrying case
- Output video cable
- Hand strap
- Car adapter
- Extra battery container
- Lens cleaning cloth