



THERMAL IMAGING MONOCULAR

QUANTUM

XD38S

PL77316



- 384x288 resolution, 50hz refresh rate
- 2.1x magnification with 2x and 4x digital zoom
- Over 1,000yd detection range (human size target)
- White-hot or 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

- Brightness and contrast adjustments
- City, forest and identification viewing modes
- Compact and light weight
- Video output
- Quick start-up
- OLED display
- External power supply adaptable

TECHNICAL SPECIFICATIONS

Thermal Imaging Monocular Quantum XD38S - PL77316

Frame rate, Hz	50
Microbolometer resolution, pixels	384x288
Sensor response	LWIR
Spectral sensitivity, μm	7.7 ...13.2
Pixel pitch, μm	25
Display type	OLED display
Video output	PAL/NTSC
Display resolution, pixels	640x480
Video IN/OUT availability	no/yes
Pin type of video input/output	3.5mm jack
Operation modes	city, forest, identification
Defective pixel repair option, yes/no	yes
Magnification	2.1x - 8.4x
Digital zoom, x	2x; 4x
Lens diameter, mm	32
Lens focus, mm	38
Relative aperture, D/f'	1:1.2
Field of view, °, horizontal * vertical	14.4x10.8
Field of view, m@100m, horizontal * vertical	25x19
Field of View, ft@100yd, horizontal*vertical	75x57.2
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, m /yd (object (height x width = 1.7x0.5m)	950 / 1,039
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	- 25 ... 50 / -13 ... 122
Degree of protection (acc. to IEC 60529)	IPX4
Calibration	manual, automatic, semi-automatic
Dimensions, mm	200x86x59
Weight (without batteries), oz	12.3

INCLUDED ACCESSORIES

- Carrying Case
- Output Video Cable
- Hand Strap
- Car Adapter
- Extra Battery Container
- Lens Cleaning Cloth

