



THERMAL IMAGING MONOCULAR

# QUANTUM

## XD50S

PL77317



- 384x288 resolution, 50hz refresh rate
- 2.8x magnification with 2x and 4x digital zoom
- Over 1,300yd 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

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

# TECHNICAL SPECIFICATIONS

## Thermal Imaging Monocular Quantum XD50S - PL77317

Frame rate, Hz	50
Microbolometer resolution, pixels	384x288
Sensor response	LWIR
Spectral sensitivity, $\mu\text{m}$	7.7 ... 13.2
Pixel pitch, $\mu\text{m}$	25
Video output	PAL/NTSC
Pin type of video input / output	3.5mm jack
Display type	OLED display
Display resolution, pixels	640x480
Operation modes	city, forest, identification
Defective pixel repair option, yes/no	yes
Magnification	2.8x - 11.2x
Digital zoom, x	2x; 4x
Lens diameter, mm	42
Lens focus, mm	50
Relative aperture, D/f'	1:1.2
Field of view, ° horizontal * vertical	11x8.3
Field of view, m@100m, horizontal* vertical"	19.2x14.4
Field of view, ft@100yd, horizontal* vertical	57.7x43.3
Minimum focusing distance, m	5
Eye relief, mm	20
Exit pupil, mm	5
Diopter adjustment, dptr.	$\pm 5$
Focusing type of distance	internal
Range of detection, m/yd (object height x width = 1.7x0.5m)	1250/1365
Power supply, V	4 ÷ 6
Battery type	4xAA
Battery life, hours	5.5
External power supply	DC 8.4 ÷ 15
Lens material	germanium
Body material	glass-nylon composite
Tripod mount, inch	2x 1/4
Type of mount for additional accessories	weaver
Operating temp, °C / F	- 25 ... 50 / -13 ... 122
Degree of protection (acc. to IEC 60529)	IPX4
Calibration	manual, automatic, semi-automatic
Dimensions, mm	207x86x59
Weight (w/o batteries), oz	15.2



### INCLUDED ACCESSORIES

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