



THERMAL IMAGING DEVICES

# QUANTUM

## HD38S

PL77311



- 2.1x magnification
- 2x digital zoom
- Manual, automatic & semi automatic calibration modes
- Hot white/black viewing modes
- Long viewing range
- OLED display

# TECHNICAL SPECIFICATIONS

Quantum HD38S - PL77311

<b>Frame rate, Hz</b>	30
<b>Microbolometer resolution, pixels</b>	384x288
<b>Sensor response</b>	LWIR
<b>Spectral sensitivity, <math>\mu\text{m}</math></b>	7.7 ...13.2
<b>Pixel pitch, <math>\mu\text{m}</math></b>	25
<b>Video output</b>	PAL/NTSC
<b>Display resolution, pixels</b>	640x480
<b>Display diagonal, inch</b>	0.31
<b>Video IN/OUT availability</b>	no/yes
<b>Pin type of video input/output</b>	Jack 3.5 mm
<b>Magnification</b>	2.1
<b>Lens diameter, mm</b>	32
<b>Lens focus, mm</b>	38
<b>Relative aperture, D/f'</b>	1:1.2
<b>Field of view, °, horizontal * vertical</b>	14.4x10.8
<b>Field of view, m@100m, horizontal * vertical</b>	25x19
<b>Minimum focusing distance, m</b>	2
<b>Eye relief, mm</b>	20
<b>Exit pupil, mm</b>	8
<b>Diopter adjustment, dptr.</b>	$\pm 5$
<b>Focusing type of distance</b>	internal
<b>Range of detection, m</b>	950
<b>Power supply, V</b>	4 ÷ 6
<b>Battery type</b>	4xAA
<b>External power supply</b>	DC 8.4 ÷ 15
<b>Lens material</b>	germanium
<b>Body material</b>	glass-nylon composite
<b>Tripod mount, inch</b>	2x1/4
<b>Type of mount for additional accessories</b>	weaver
<b>Operating temperature, °C</b>	-20 ... +50
<b>Degree of protection</b>	IPX4
<b>Dimensions, mm</b>	200x86x59
<b>Weight (without batteries), oz</b>	12.3

## INCLUDED ACCESSORIES

- Carrying Case
- Output video cable
- Hand strap
- Car adapter
- Battery container
- Lens cleaning cloth

