

SPECIFICATIONS:

SKU	77334	77331	77335	77332	77336	77333
MODEL	LQ19	XQ19	LQ38	XQ38	LQ50	XQ50
Microbolometer:						
Type	Uncooled		Uncooled		Uncooled	
Resolution, pixels	384x288		384x288		384x288	
Frame rate	9 Hz	50 Hz	9 Hz	50 Hz	9 Hz	50 Hz
Pixel size, µm	17		17		17	
Optical characteristics:						
Magnification	1.6-6.4x		3.1-12.4x		4.1-16.4x	
Digital zoom	2x/3x/4x		2x/3x/4x		2x/3x/4x	
Objective lens, mm	16		32		42	
Relative aperture, D/f	1:1.2		1:1.2		1:1.2	
Close-up range, m	3		7		7	
Exit pupil, mm	8		8		8	
Field of view, degree / m@100m						
- horizontal	19.5 / 34.4		9.8 / 17.2		7.5 / 13	
- vertical	14.7 / 25.8		7.4 / 12.9		5.6 / 9.8	
Diopter adjustment, D	+5/-5		+5/-5		+5/-5	
Max. observation range of an animal 1.7 m high, m / yard, approx	680 / 744		1350 / 1476		1800 / 1970	
Display:						
Type	OLED		OLED		OLED	
Resolution, pixel	640x480		640x480		640x480	
Operational characteristics:						
Warm-up time, sec	2		2		2	
Power supply	4+6 V		4+6 V		4+6 V	
Battery type	4xAA		4xAA		4xAA	
External power supply	8.4-16 V		8.4-16 V		8.4-16 V	
Operating time on battery pack EPS3 / EPS5), h	9 / 20		9 / 20		9 / 20	
Operating time on a battery set*, h, approx. (t=22 °C)	6.5		6.5		6.5	
Degree of protection, IP code (IEC60529)	IPX4		IPX4		IPX4	
Video output	n/a	PAL/NTSC	n/a	PAL/NTSC	n/a	PAL/NTSC
Operating temperature	-25 °C ... +50 °C / -13 °F ... +122 °F					
Dimensions, mm / inch	180x86x59 / 7x3.4x2.3		200x86x59 / 7.9x3.4x2.3		207x86x59 / 8.1x3.4x2.3	
Weight (without batteries), kg / oz	0.32		0.35		0.43	

* Operation in power saving mode.



Quantum XQ50

Quantum XQ38

Quantum LQ19

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PACKAGE CONTENTS

- Thermal Imaging Scope
- Carrying case
- User manual
- Dual cable: video and external power supply**
- External power supply cable
- Wireless remote control**
- Hand strap
- Automotive cigarette lighter adapter
- Spare battery container
- Cleaning cloth
- Warranty card

** Supplied only with models 77331; 77332; 77333.

For improvement purposes, design of this product is subject to change.

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DESCRIPTION

Thermal imaging scopes **Quantum** based on IR sensor (uncooled microbolometer) are represented by a number of models featuring various frame rate, magnification and lens diameter. The scopes are designed for the use both in the nighttime and in the daylight in inclement weather conditions (fog, smog, rain) to see through obstacles hindering detection of targets (branches, tallgrass, thick bushes etc.). Unlike the image intensifier tube based night vision devices, thermal imaging scopes **Quantum** do not require an external source of light and are not affected by bright light exposure.

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FEATURES

- Detector size 384x288 pixels
- Pixel size 17 µm
- Warm-up time - two seconds
- OLED display (640x480 pixels)
- Optical magnification 1.6x / 3.1x / 4.1x
- Stadiametric rangefinder
- Multiple color modes
- Digital zoom 2x/3x/4x
- Display off function
- Automatic shutdown***
- Wireless remote control***
- Three calibration modes – Manual, Automatic, Semi-automatic
- Three operating modes - City, Forest, Identification
- Defective pixel repair option
- Power saving mode***
- Wide field of view
- External power supply
- Video output enabling recording***
- Two 1/4" tripod mounts

***Available only in models 77331, 77332, 77333.

● COMPONENTS AND CONTROL ELEMENTS

- ① Lens cover (in models LQ/XQ38 and LQ/XQ50)
- ② Controller
- ③ Button "RF"
- ④ Button "MODE"
- ⑤ Button "CAL"
- ⑥ Button "ON"
- ⑦ Lens focus ring
- ⑧ Weaver rail
- ⑨ Tripod mount 1/4"
- ⑩ External power supply jack / Video output
- ⑪ Battery compartment
- ⑫ LED indicator
- ⑬ Eyepiece diopter adjustment ring
- ⑭ Wheel for diaphragm opening (in models LQ/XQ19)
- ⑮ Lens diaphragm (in models LQ/XQ19)

Video cable / External power cable:

- ⑯ Scope connecting plug
- ⑰ External power supply jack
- ⑱ Video output jack

Wireless remote control:

- ⑲ Button "ON"
- ⑳ Button "CAL"
- ㉑ Button "Zoom"

