



ACCOLADE 2 LRF XP50

Thermal imaging binoculars with built-in laser rangefinder

ACCOLADE 2 LRF XP50 is a new model of thermal imaging binoculars from PULSAR based on highly sensitive thermal imaging sensor with NETD of <math><40\text{ mK}</math>, 640x480 pixel resolution and 17 μm pixel pitch. The unit possesses built-in video recorder, built-in laser rangefinder able to work in two modes - scanning and single measurement, Wi-Fi module, long-life quick-change battery IPS7.

Features

- Highly Sensitive Thermal Sensor <math><40\text{ mK}</math> NETD
- Built-in Precision Laser Rangefinder
- High Definition Image
- Comfortable for Long Observation
- Long Detection Range up to 1800 m (2000 yd)
- Image Boost Technology
- Full-Color, AMOLED Display
- Built-in Photo and Video Recorder
- Wi-Fi. Integration with IOS and Android Devices
- Variable Digital Zoom
- Picture-in-Picture
- 8 Color Palettes
- Quick-change Rechargeable Batteries
- IPX7 Waterproof Rated



Technical specifications

Parameter	Accolade XP50
Type of microbolometer	Uncooled
Frame rate, Hz	50
NETD, mK	<math><40</math>
Microbolometer resolution, pixels	640x480
Pixel pitch, μm	17
Display type	AMOLED
Display resolution, pix.	640x480
Magnification, x	2,5 - 20
Digital zoom, x	2/4/8
Lens focus, mm	50
Relative aperture, D/f'	1:1,2
Field of View, ° horizontal	12,4

Minimum focusing distance, m	3
Eye relief, mm	16
Exit pupil, mm	5
Diopter adjustment, dptr.	+/-5
Interpupillary distance, mm	56-71
Detection range, m (object H/W = 1,7/0,5m)	1800
Built-in video recorder	yes
Built-in memory size, Gb	16
Built-in Wi-Fi module	yes
Stream Vision application support	yes
Image Boost	yes
Micro USB socket	Power/data
Laser rangefinder wavelength, nm	905
Measurement range, m	1000
Measurement accuracy, m	± 1
Color palettes	yes
Power supply, V	3,0-4,2
Battery type	Li-Ion Battery Pack IPS7
Battery life, hour	8
External power supply	5V MicroUSB
Tripod mount, inch	1/4
Operating Temp, °C	- 25 ... +50
Waterproof	IPX7
Calibration (nonuniformity correction)	manual, auto, semi-auto
Length, mm	164
Width, mm	130
Height, mm	64
Weight (without batteries), kg	0,7
SKU	77410

