

## THERMION 2

### Thermal imaging riflescope

Pulsar's premium line of thermal imaging riflescopes for professional hunting, pest control, and personal security. For image acquisition Thermion 2 uses top-class thermal imaging sensors with enhanced thermal sensitivity (NETD) and optimized fast aperture germanium optics F/1.0. HD AMOLED screen displays ultra-clear image and ensures flawless operation in sub-zero conditions. Multiple ballistic features offer unprecedented shooting versatility and comfort of use. Extended set of image settings enables the riflescope perform well in any weather conditions. Rechargeable battery provides long-lasting performance, onboard video and still image recording in .mp4 and .jpg formats to a robust 16gb internal storage ensures you can relive all the thermal action later. User-friendly digital controls make setup and on-the-fly customizing easy. The Thermion's Wi-Fi connectivity via the Stream Vision app makes using a smartphone or tablet as a second display and remote control easy. Connected devices can even be used for firmware upgrades, data transfers and for streaming video.



### Features

- Highly sensitive thermal imaging sensor
- Extreme Detection Range 1800m (2,000 Yds)
- Fast Aperture f1.0 Germanium Optics
- Variable Digital Zoom
- Recoil Rated up to .375 H&H, 12-Gauge and 9.3x64
- Mounts on Standard 30mm Scope Rings
- Instant Start-up
- Rugged, Reliable All-Metal Housing
- IPX7 Waterproof Rated
- Zeroing Profiles Management
- Customizable Reticle Options
- Full-Color, HD AMOLED Display
- Video and Still-Photo Recording
- Picture-in-Picture
- Various Color Palettes
- Stream Vision App Supported
- Upgradable Functional
- User Friendly Controls
- B-Pack Mini Combined Power System



## THERMION 2 Technical specifications

	Thermion 2 XQ38	Thermion 2 XQ50	Thermion 2 XP50
Model # (SKU)	PL76545	PL76546	PL76544
Type of microbolometer	Uncooled	Uncooled	Uncooled
Microbolometer resolution, pix.	384x288	384x288	640x480
Thermal sensitivity (NETD), mK	<40	<40	<25
Frame rate, Hz	50	50	50
Pixel pitch, $\mu\text{m}$	17	17	17
Display type	AMOLED	AMOLED	AMOLED
Display resolution, pix.	1024x768	1024x768	1024x768
Magnification, x	2.5-10	3.5-14	2-16
Digital zoom, x	2/4	2/4	2/4/8
Lens focus, mm	35	50	50
Relative aperture, D/f	1:1	1:1	1:1
Field of View, $^{\circ}$ , horizontal	10.7	7.5	12.4
Minimum focusing distance, m	5	5	5
Eye relief, mm	50	50	50
Diopter adjustment, dptr.	-3/+5	-3/+5	-3/+5
Detection range, m (object size = 1.7x0.5m)	1350	1800	1800
Windage & elevation, 1 click, mm/100m	18	13	21/21
Reticle adjustment range, H/V, mm/100m	3600/3600	2600/2600	4200/4200
Reticle options	10 (3 scalable, 7 static)	10 (3 scalable, 7 static)	10 (3 scalable, 7 static)
Zeroing coordinates memorization	5 profiles (10 coordinates each)	5 profiles (10 coordinates each)	5 profiles (10 coordinates each)
Side tilt indication	yes	yes	yes
Picture in Picture option	yes	yes	yes
Observation modes	rocks, forest, identification, user mode	rocks, forest, identification, user mode	rocks, forest, identification, user mode
Color palettes	8	8	8
Integrated video recorder	yes	yes	yes
Built-In memory, GB	16	16	16
Format of video files	MPEG-4 1024x768	MPEG-4 1024x768	MPEG-4 1024x768
Format of photo files	JPEG 1024x768	JPEG 1024x768	JPEG 1024x768
Integrated Wi-Fi module	yes	yes	yes
Stream Vision app support	yes	yes	yes
Battery type	Combined B-Pack Internal + external	Combined B-Pack Internal + external	Combined B-Pack Internal + external
Battery life, h	7	7	7
External power Supply	Micro USB 5.0V	Micro USB 5.0V	Micro USB 5.0V
Operating temperature, $^{\circ}\text{C}$	-25/+50	-25/+50	-25/+50
Water ingress protection	Waterproof IPX7	Waterproof IPX7	Waterproof IPX7
Calibration	manual, auto semi-auto	manual, auto semi-auto	manual, auto semi-auto
Shock resistance on weapon, J	6000	6000	6000
Type of mounting on weapon	30 mm rings	30 mm rings	30 mm rings
Dimensions, mm/in	399x78x83 / 15.7x3.07x3.26	412x78x83 / 16.22x3.07x3.26	412x78x83 / 16.22x3.07x3.26
Weight (without external battery), g/oz	750 / 26.45	900 / 31.74	900 / 31.74