

TRIONYX T3/T3i Multispectral binoculars

TRIONYX T3/T3i multispectral binoculars with image fusion capability from PULSAR for hunting, forestry, search and rescue, personal security, and outdoor recreation. The unit possesses two optic channels thermal imaging and digital night vision as well as powerful IR illuminator. Observation can be conducted in three modes thermal imaging, digital night vision and fused thermal and digital image. TRIONYX models possess built-in photo and video recorder, Wi-Fi module and quick-change battery pack Pulsar TPS7.



Features

- Multispectral observation. Thermal, digital night vision and fusion imaging.
- Benefits of thermal detection, combined with digital night vision identification
- Detection range up to 1000 m
- Clear trophy identification at all night hunting ranges
- Biocular optics system for comfort of natural viewing
- On-board photo and video recording
- Wi-Fi. Integration with IOS and Android devices
- Quick-change rechargeable batteries
- IPX7 Waterproof Rated



Technical specifications

	TRIONYX T3	TRIONYX T3i
SKU	77451	77452
Thermal sensor resolution, pixels	384x288	384x288
Pixel pitch, µm	17	17
NETD, mK	<40	<40
Frame rate, Hz	50	50
Digital sensor resolution, pixels	1280x720	1280x720
Display type	AMOLED	AMOLED
Display resolution, pixels	1024x768	1024x768
Magnification in thermal imaging mode, x	2.5 - 10	2.5 - 10
Magnification in digital mode, x	3.5 - 14	3.5 - 14
Magnification in fusion mode, x	3.5 - 14	3.5 - 14
Digital zoom, x	2/4	2/4
Thermal imaging lens	Fixed focus, 30mm/F1.25	Fixed focus, 30mm/F1.25
Digital night vision lens	Manual focus, 36mm/F1.2	Manual focus, 36mm/F1.2
Eye relief, mm	15	15

Exit pupil, mm	3.5	3.5
Dioptr adjustment, dptr.	+/-5	+/-5
Interpupillary distance, mm	56 - 71	56 - 71
Detection range in thermal mode, m	1000	1000
Detection range in digital night vision mode, m	450	350
Infrared illuminator wavelength, nm	LED 850	LED 940
Built-in video recorder	yes	yes
Built-in memory size, Gb	16	16
Built-in Wi-Fi module	yes	yes
Stream Vision application support	yes	yes
Micro USB socket	Power/data	Power/data
Color palettes (thermal mode)	8	8
SumLight (digital night vision mode)	Yes	Yes
Power supply, V	3.7	3.7
Battery type	Pulsar TPS7(Li-Ion)	Pulsar TPS7(Li-Ion)
Battery life, hour	6	6
External power supply	5V USB Type-C	5V USB Type-C
Tripod mount, inch	1/4	1/4
Operating temperature, °C	- 25 ... +50	- 25 ... +50
Waterproof	IPX7	IPX7
Calibration (in thermal mode)	manual, auto, semi-auto	manual, auto, semi-auto
Length, mm	165	165
Width, mm	131	131
Height, mm	66	66
Weight (without batteries), kg	0,76	0,76

