





# TenRings Shots APP

Download on the  
Android

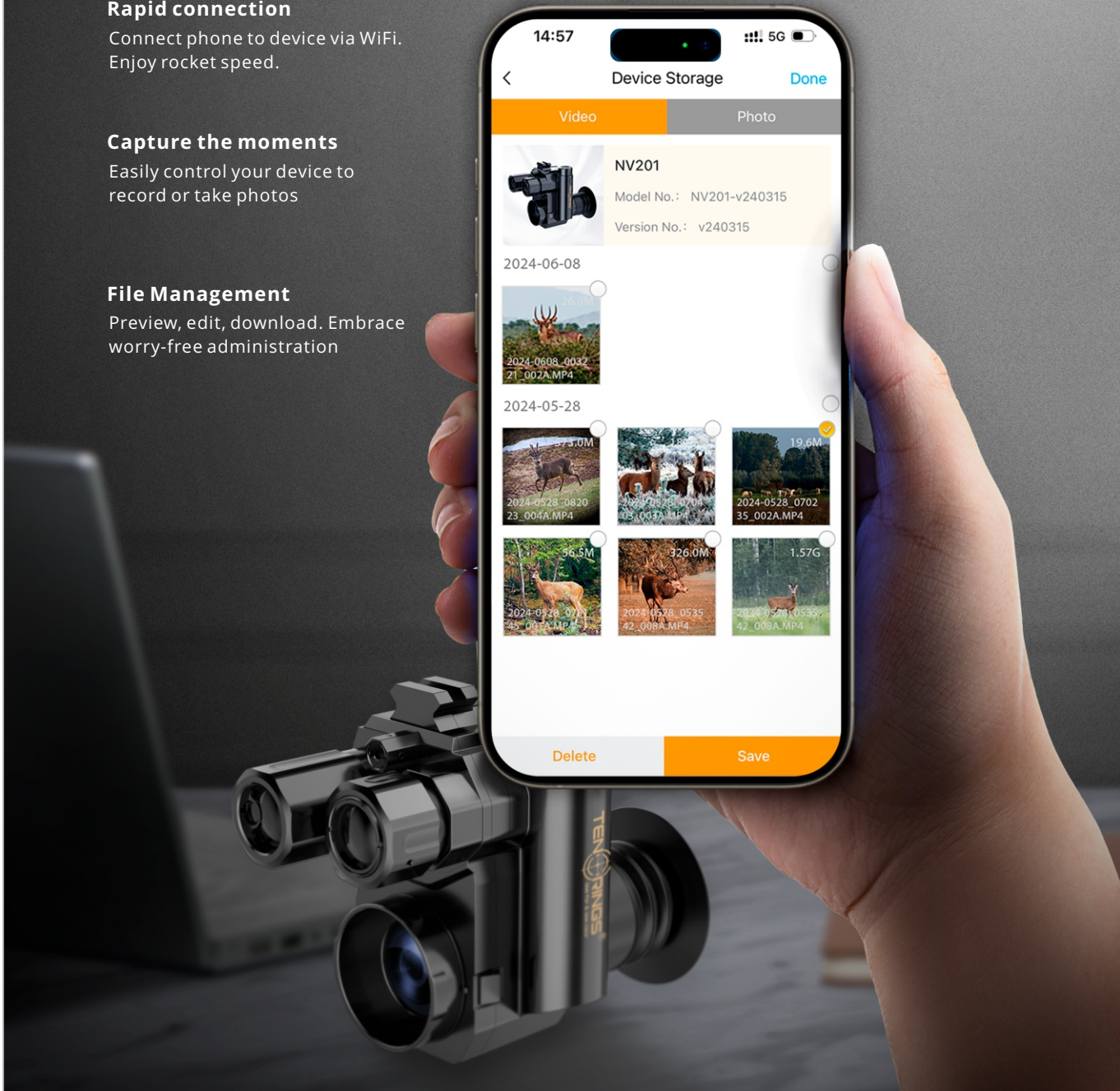
Download on the  
App Store



**Rapid connection**  
Connect phone to device via WiFi.  
Enjoy rocket speed.

**Capture the moments**  
Easily control your device to  
record or take photos

**File Management**  
Preview, edit, download. Embrace  
worry-free administration





Shenzhen Ten Rings Optics Co., Ltd.  
+86 755 2941 3690  
info@tenrings.cn  
www.tenrings.cn  
2 / F, Building 1, Phase 5, Fucheng Digital Innovation  
Industry Park, Fucheng Sub-district Office, Longhua  
District, Shenzhen City, Guangdong Province, China. P.C.: 518110



## DIGITAL DAY & NIGHT VISION SCOPE

Show you a farther world clearly

Product Model	TR-IR-LRF NV201	TR-IR-LRF NV501
Power Supply		
Power Supply Mode	One 3.7V Li-ion battery	
Working Time with Battery	≤8h	≤8h
Objective Lens Parameters		
Magnification	2x	3.5x
Pixel	5M	5M
Focal Length	16mm (fixed focus), manual focus	35mm (fixed focus), manual focus
Objective Lens Size	Φ 16mm	Φ 35mm
Field of View	22°×16°	10.7°×8.0°
Eyepiece Lens Parameters		
Entrance Pupil Diameter	6mm	6mm
Magnification Power	14x	14x
Eye Relief	50mm	50mm
Focusing Angle Range	-5D→+5D	
System Parameters		
Sensor Resolution	1080P (1920×1080)	1080P (1920×1080)
Internal RAM	2Gb	2Gb
Measurement Range	3~1000m	
Video Resolution	1920x1080@30fps	1920x1080@30fps
Display Resolution	1024x768	
Display Size	OLED0.39"	
Wifi	802.11b/g/n	
Storage Type	TF Card (Support 4G~128G)	
Infrared Power/Wavelength	2W/3W/5W three gears, 850nm/940nm	
Reticle Shape	/	Six Types
Picture-in-Picture	Support	
Installation		
Connection type	Rear Clip-on with adapter	Picatinny rails
Size	≥48mm	20mm/21mm
Mechanical Properties		
Dimensions (L*W*H)	143*82*113mm	191*94*50mm
Housing	Plastic & Aluminium Alloy	
Body Color	Black	
Net Weight	≈ 360g	≈ 560g
Working Environment		
Operating Temperature	-25℃~50℃	-20℃~50℃
Storage Temperature	-30℃~75℃	

## Rear clip-on Digital Day & Night Vision Scope

### TR-IR NV200 TR-IR-LRF NV201

TR-IR NV20 series are rear clip-on models. They adopt low illumination at night, Sony dynamic CMOS sensor, external IR illuminator, you can obtain excellent observation results both day and night. The model with "LRF" equipped with a detachable 905nm infrared rangefinder module, ensuring accurate testing of the target distance.



- Lightweight and compact design
- In a completely dark environment, the farthest observation distance can reach 300 meters
- Built-in WiFi for downloading and sharing files on Android or IOS smartphones or tablets
- The 1024x768 high-resolution display provides clear, rich and vivid color images
- Powered by one 18650 3.7V Li-ion battery for long continuous operation
- 1-5x image magnification, flexible selection according to distance
- Built-in IR-CUT two-color filter to restore the real image of day and night
- With infrared laser ranging function, the longest distance can reach 1000m
- Built-in high-brightness, low-power dimmable IR illuminator, which can clearly restore the subject in the dark scene
- The infrared lens is not easy to react with metal oxides, acidic substances, air and water, and has good light transmission performance

## Stand-alone Digital Day & Night Vision Scope

### TR-IR NV500 TR-IR-LRF NV501

TR-IR NV50 series are designed with a 3.5x-14x(4x)35mm digital rifle scope, it has advanced fast start-up performance, fast imaging in 3 seconds after booting, which significantly improves the user's quick response ability. The model with "LRF" equipped with a detachable 905nm infrared rangefinder module, ensuring accurate testing of the target distance.



- Lightweight and compact design
- In a completely dark environment, the farthest observation distance can reach 300 meters
- Built-in WiFi for downloading and sharing files on Android or IOS smartphones or tablets
- The 1024x768 high-resolution display provides clear, rich and vivid color images
- Powered by one 18650 3.7V Li-ion battery for long continuous operation
- 1-4x image magnification, flexible selection according to distance
- Built-in IR-CUT two-color filter to restore the real image of day and night
- With infrared laser ranging function, the longest distance can reach 1000m
- Built-in high-brightness, low-power dimmable IR illuminator, which can clearly restore the subject in the dark scene
- The infrared lens is not easy to react with metal oxides, acidic substances, air and water, and has good light transmission performance