ScopeMate S28-TSC Max FFDR

4K Scope Camera & Recorder — Product Specifications



PRODUCT SPECIFICATIONS

Specification	Details
Product Name	Scope Camera 4K Recorder
Model	ScopeMate S28-TSC Max FFDR
Brand	ScopeMate
Dimensions	55 × 107 × 102 mm
Weight	280 g (0.63 lbs), optimized lightweight internal structure
Adaptor Fitting Diameter	36–52 mm
Magnifying Power	1× to 8× (0.5× steps)
Operating Temperature	–10°C to +50°C
Touchscreen	Built-in HD 2.1-inch touchscreen with Corning 3rd Gen Glass
Video Resolution	4K: 60/30 fps · 2.7K: 60/30 fps · 1080p: 120/60/30 fps · 720p: 240/120 fps
Recording	Record directly through your rifle scope. Recoil-activated recording can capture video before and after firing, with manual or automatic recording.
Slow Motion Replay	1080p at 120 fps or 720p at 240 fps, with automatic 1/4 or 1/8 speed replay
Wi-Fi	Built-in Wi-Fi for preview and operation via phone/tablet, with footage download and social-media sharing through the app
Live Streaming	Live stream to Android / iOS app
Scope Parallax	Good tolerance of scope parallax
Audio	Whisper-level audio recording
Waterproof Rating	IP64
Anti-Recoil Capacity	High-quality aluminium case designed to withstand large-caliber recoil

Specification	Details
Output Video Port	USB-C
Power Source	5V / 2A USB; 1 × 18650 rechargeable and changeable battery
Battery Runtime	Up to 13 hours of recording on a full battery charge
Storage	Micro SD card up to 512 GB; use an ultra-high-speed U3 SD card for optimal performance
Storage Runtime	Approximately 25 hours of 4K recording on a 512 GB card
Ocular Compatibility	Fits scope oculars up to 52 mm

Dual-Axis Recording	Processes both the X and Y axes to help keep the image level and provide a slightly more stable image.
Field of View (FOV)	Larger field of view captures the full eyepiece, producing a full-square video image.

KEY FEATURES

- Built-in HD touchscreen for settings, image preview and direct control.
- Rechargeable and changeable 18650 battery with up to 13 hours of recording time.
- Records through your rifle scope up to 4K at 60 fps.
- Multiple recording modes: 2.7K at 60/30 fps, 1080p at 120/60/30 fps, and 720p at 240/120 fps.
- Built-in Wi-Fi for phone/tablet preview and operation, footage download and social-media sharing.
- Live streaming support through the Android/iOS app.
- Good tolerance of scope parallax.
- Whisper-level audio recording.
- IP64 waterproof protection.
- High-quality aluminium housing designed to withstand large-caliber recoil.
- Supports Micro SD cards up to 512 GB.
- U3 ultra-high-speed SD card recommended for optimal performance.
- Optimized internal structure keeps the unit lightweight at approximately 280 g / 0.63 lbs.
- Fits scope oculars up to 52 mm.

WHAT'S IN THE BOX

No.	Item	Description
1	ScopeMate S28-TSC	Includes one 18650 battery. Remove the insulation film before first use.
2	Allen Key	Hex-T tightening tool.
3	Scope Adapting Plastic Inserts	Adaptor inserts for scope ocular sizes up to 52 mm.
4	USB-C Cable	For computer connection and battery charging.
5	User Guide	Product operating and setup instructions.

S28-TSC Max FFDR · KEY IMPROVEMENTS

The S28-TSC Max FFDR is the new and improved version of the original S28-TSC Max. The FFDR version introduces dual-axis recording, processing both the X and Y axes to help keep the image level and provide a slightly more stable image. It also features a larger field of view that captures the full eyepiece, producing a full-square video image. According to the manufacturer, there is no significant difference between the FFDR and the original S28-TSC Max beyond these small improvements. The hardware and core system are otherwise the same.

Specifications are based on the information supplied for the ScopeMate S28-TSC Max FFDR and may be subject to manufacturer updates.