SHADE 256
Thermal Riflescopes

Naming Specifics

Family Name | Magnification | Objective Lens Size

SHADE | 2-16 | x15

256 | Thermal | Riflescope

Sensor Resolution | Sensor Type | Product Category

Screen Information

Use Case - Short to Medium Range Shooters

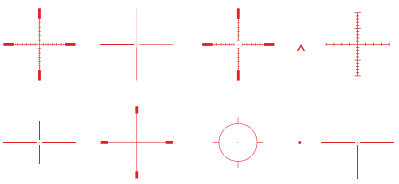
Hog & Predator Hunters

- This group includes experienced hunters across Texas, the Southeast, and Midwest who rely on thermal optics for year-round hog and coyote control. They demand gear that performs reliably in total darkness and holds up in harsh, unpredictable environments. The Shade Thermal appeals to them by delivering practical thermal performance at a fraction of the price of high-end scopes. Its compact build, clear image quality, and onboard video make it ideal for dynamic hunts, whether from a blind, vehicle, or on foot.

Rural Landowners & Farmers

- These users may not consider themselves hunters, but they face similar threats: protecting livestock, crops, and property from nocturnal predators. They want a thermal optic that's easy to use, rugged enough for daily farm life, and effective at identifying heat signatures quickly. The Shade Thermal fits their needs with its straightforward interface, reliable construction, and accessible price point. Whether mounted on a rifle or used as a handheld spotting tool, the Shade Mini Thermal gives rural property owners peace of mind and an edge in nighttime response, making it more a necessity than a luxury.

Reticle Information

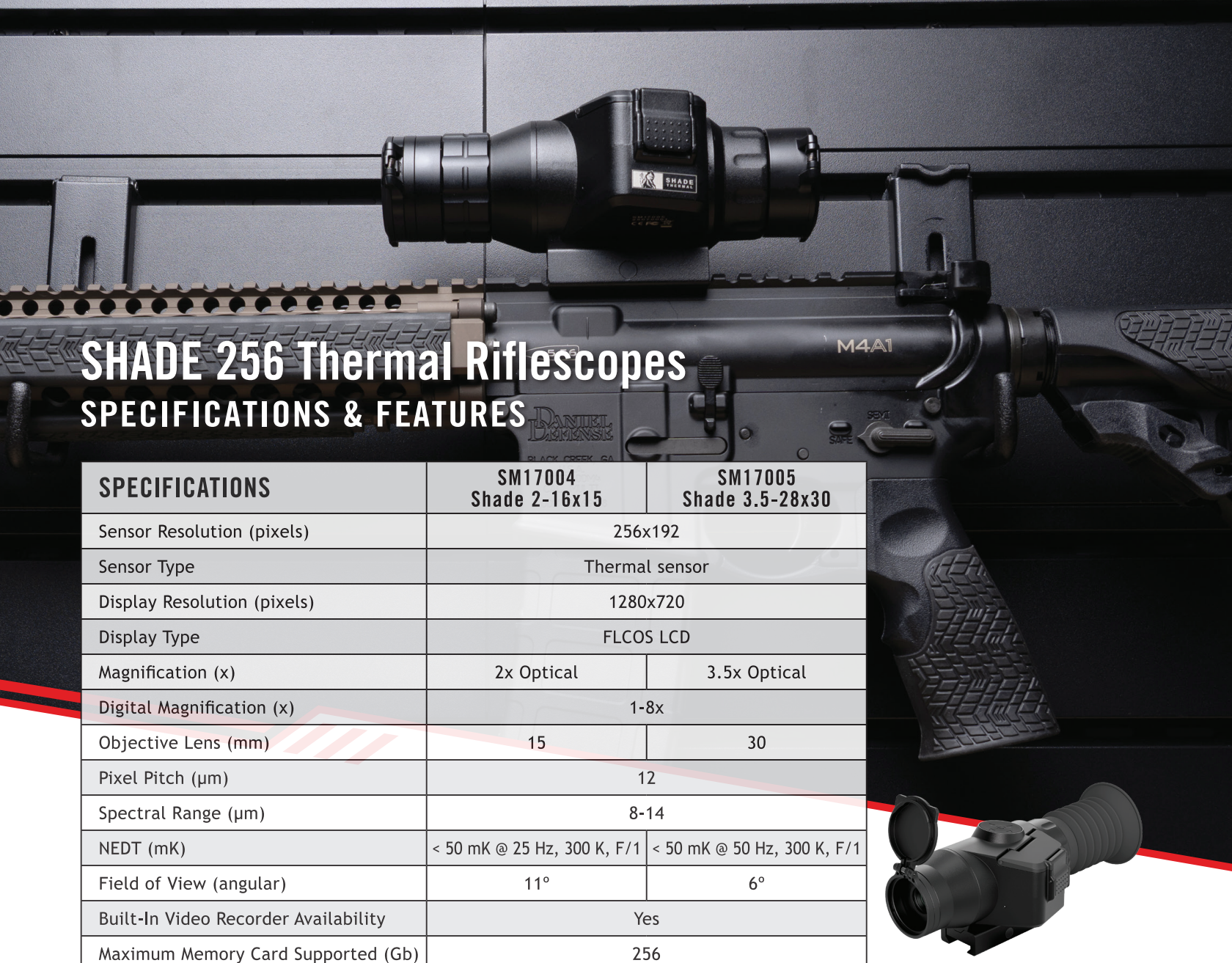


Advantages

- Display: High-quality thermal display with multiple color palettes for enhanced contrast and identification.
- Reticle Options: Includes 10 different reticles with 9 color choices for customization.
- Sensor: 12µm 256x192 Thermal Resolution, NETD <50 mK
- Durability: Rugged construction designed to handle recoil and rough environments. Rated IP65 (fully dustproof, water-resistant, but not submersible).

SM17004

SM17005



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SPECIFICATIONS & FEATURES

SPECIFICATIONS	SM17004 Shade 2-16x15	SM17005 Shade 3.5-28x30
Sensor Resolution (pixels)	256x192	
Sensor Type	Thermal sensor	
Display Resolution (pixels)	1280x720	
Display Type	FLCOS LCD	
Magnification (x)	2x Optical	3.5x Optical
Digital Magnification (x)	1-8x	
Objective Lens (mm)	15	30
Pixel Pitch (µm)	12	
Spectral Range (µm)	8-14	
NEDT (mK)	< 50 mK @ 25 Hz, 300 K, F/1	< 50 mK @ 50 Hz, 300 K, F/1
Field of View (angular)	11°	6°
Built-In Video Recorder Availability	Yes	
Maximum Memory Card Supported (Gb)	256	
Power Supply (v)	6	
Battery Type	2x CR123A	
Battery Life (Hrs)	3.5 (Video - 4.4 (Preview)	
External Power Supply	5V via USB	
Body Material	Aluminum	
Mount Type	Picatinny	
Operating Temperature	-4° to 144°F / -20° to 50°C	
Dimensions (in/mm) (length without flip up caps)	4.84 x 3 x 2.9 / 123 x 77 x 74	5.55 x 3 x 2.9 / 141 x 77 x 74
Weight (oz/g) (with battery, flip up caps, eyecup)	19.97 / 566	21.91 / 621

FEATURES

- 256x192 Thermal Resolution
- 8x Digital Zoom
- Aluminum Lightweight and Compact Construction
- Built-in Recording with Sound
- 5 Color Palettes and 10 Reticle Options
- 5 Weapon Profiles
- FLCOS LCD Display with Resolution of 1280x720