

APEX
VISION**KODIAK 3.0 Series**

Thermal Imaging Monocular

**Compact Without
Compromise.**

outdoor

Introduction

The KODIAK 3.0 thermal imaging monocular integrates a laser rangefinder and shutterless technology while maintaining a compact design. The focusing roller allows for convenient one-handed operation, while the symmetrical ergonomic design enables flexible handling with either hand. Optimized for hunting and outdoor exploration, it brings reliable, clear thermal vision in all challenging field environments.

Features

- o 1.03" AMOLED display for upgraded crisp images.
- o Integrated 1200m high-accuracy laser rangefinder.
- o Instant startup in just 3 seconds.
- o Shutterless design ensures smooth, uninterrupted visuals.
- o Next-gen infrared imaging system APEXVISION for ultra-clarity.
- o Ergonomic design with a focusing roller for one-handed operation.
- o IP67 waterproof & dustproof, all-weather durability.
- o Built-in 64GB storage for recording photos, videos, and audio files.
- o Dual-band Wi-Fi connection, OTA upgrade via TargetIR APP.

Applications

- o Night Hunting
- o Security Forces
- o Search & Rescue
- o Personal security



Specifications

Model	TK635L 3.0	TK650L 3.0
Sensor		
Core technology	Powered by the complete ApexVision S1 architecture—the ApexCore S1 detector, Nexus 1.0 platform, and Hyper-Light 3.0 algorithm.	
Detector type	Uncooled VOx IR Detector, 8–14 μm	
Resolution	640×512@12μm	
NETD	15 mK	
Frame rate	50 Hz	
Lens		
Objective lens	35 mm, F0.9	50 mm, F0.9
Field of View	12.5°×10.0°	8.8°×7.0°
FOV m@100m	21.9×17.6	15.4×12.3
Magnification	2.8x–22.4x	4x–32x
Detection range	1800 m/1950 yd	2600 m/2800 yd
Focus	Manual	
Display		
Display type	1.03” AMOLED 2560×2560	
Color palettes	White Hot, Black Hot, Amber Sepia, Red Hot, Iron Red, Blue Hot, Green Hot	
Eyepiece	Eye relief: 30 mm; Diopter: –6 to +6	
Hardware		
Laser rangefinder	1200 m/1300 yd	
Wi-Fi	2.4 GHz, 5 GHz	
Interface	USB-C (Power Supply/USB 2.0)	
Others	Microphone, Bluetooth	
System		
Recording function	Photo/Video Recording (with Audio)	
Storage capacity	64 GB	
Power		
Battery type	1 × replaceable dedicated battery	
Operating time	5.5 hours	
Environmental		
Operating temp.	–20°C to 50°C / –4°F to +122°F	
IP rating	IP67	
Physical		
Weight (g/oz)	524/18.48 (battery included)	593/20.92 (battery included)
Dimensions (mm/in)	182×67×79/7.17×2.64×3.11	191×67×79/7.52×2.64×3.11
Standard	Device, Hand Strap, Neck Strap, Carry Bag, Lint-Free Cloth, Dedicated Battery×2, 5V 2A Adapter, USB-A to USB-C Cable, Quick Start Guide, Warranty Card	
Optional	Bluetooth Remote Control, Dedicated Battery	

* Product performance is based on testing in a controlled laboratory environment. Your test results may vary due to several external and environmental factors. All specifications are subject to the actual product. The manufacturer reserves the right to modify technical specifications without notice or liability to you.