

XFT80 AR Night Vision Glasses



1. Appearance and Structure: Ergonomically designed one-piece goggles, suitable for daily outdoor and scene observation use;
2. Infrared Thermal Imaging Module: Equipped with an intelligent heat source identification thermal imaging system, thermal imaging resolution 640*512; featuring a 9mm professional thermal imaging lens, providing clear imaging and stable detection range;
3. Low-Light Night Vision Imaging Module: Integrated with a 1/1.8-inch CMOS high-definition image sensor, effective night vision pixels $\geq 1920 \times 1080$; night vision pixel size $\geq 4\mu\text{m} \times 4\mu\text{m}$, providing detailed imaging; ultra-low light visibility...
4. Measurement Capability: Minimum operating illuminance can reach 0.001 Lux, suitable for observation in low-light environments at night;

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5. AR Display Module: Adopts a freeform prism AR perspective display screen, allowing real-time observation of the scene in front during device operation, realizing the superimposed observation of the real scene and the image; AR display screen resolution $\geq 1080P$, screen brightness supports multiple levels of adjustment, adapting to different lighting environments day and night;
6. Power Supply: External independent battery compartment design, compatible with 3 18650 universal lithium batteries, with sufficient battery life and convenient disassembly and replacement;
7. Wireless Map Transmission Function: Supports 5.8G wireless analog image reception, compatible with civilian FPV drone image transmission, supports custom frequency adjustment, stable image transmission signal, and wide adaptability;
7. Installation and Adaptation: Standard helmet adapter bracket included, compatible with FAST civilian outdoor helmets. The device supports flipping up and down for storage, offering flexible and convenient use;
8. Wearing Parameters: After wearing the device, the distance from the eyes to the front of the device is $\leq 85\text{mm}$. The device has a balanced weight distribution, eliminating any pressure on the head, making it lightweight and comfortable to wear;
9. Multi-Mode Image Switching: Supports infrared thermal imaging and low-light color imaging. The device features three channels for freely switching between night vision and drone wireless image transmission, meeting the observation needs of different scenarios.
10. Intelligent Observation Function: It has a built-in intelligent heat source labeling and recognition function, which can quickly locate environmental heat source targets and has smoke penetration observation capabilities, adapting to complex outdoor, dusty, foggy, and other special scenarios.