



# GUIDE

## The Ideal Nighttime Hunting Partner

### DU Series

Digital Day & Night Vision Scope

### Introduction

DU Series is a high-performance Digital Day & Night Vision Scope designed for professional hunting. The high-sensitivity 1920x1080 CMOS Sensor that offers outstanding image quality. The full-color HD 1920x1080 AMOLED display guarantees the smallest image detail with meticulous care to respect users' wishes. The advanced dual battery system provides up to 15 hours of non-stop use from day to night.

### Features

- Highly Sensitive 1920x1080 Sensor for image acquisition
- Full HD AMOLED Display for image detail
- Day, Low-light and Night modes
- 15 hours super long battery life
- Mounting on standard 30 mm rings
- 10 distinct reticles with 6 color schemes and 10 levels of brightness
- Compact and lightweight
- Encapsulation IP67

### Applications

- Night Hunting
- Search & Rescue
- Law Enforcement
- Personal security



## Specifications

| Product model        | DU50                                                                                                                                                                                                                                                   |
|----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Sensor</b>        |                                                                                                                                                                                                                                                        |
| Type                 | CMOS                                                                                                                                                                                                                                                   |
| Resolution           | 1920×1080@4μm                                                                                                                                                                                                                                          |
| Frame rate           | 50 Hz                                                                                                                                                                                                                                                  |
| <b>Lens</b>          |                                                                                                                                                                                                                                                        |
| Objective lens       | 50mm, F1.2                                                                                                                                                                                                                                             |
| Field of view        | 9°×5.2°                                                                                                                                                                                                                                                |
| FOV m @100m          | 16×9                                                                                                                                                                                                                                                   |
| Magnification        | 3.125x~25x                                                                                                                                                                                                                                             |
| Detection range      | 600m/ 650yd (850nm); 550m/ 600yd (940nm)                                                                                                                                                                                                               |
| <b>Display</b>       |                                                                                                                                                                                                                                                        |
| Display type         | 0.39" AMOLED 1920x1080                                                                                                                                                                                                                                 |
| Scene modes          | Day, Night, Low-light                                                                                                                                                                                                                                  |
| Eyepiece             | Exit pupil distance ≥ 48 mm; Diopter ± 4; Zoom: 14x                                                                                                                                                                                                    |
| <b>Hardware</b>      |                                                                                                                                                                                                                                                        |
| IR illuminator       | 850nm/ 940nm (Alternative)                                                                                                                                                                                                                             |
| WIFI                 | 2.4G                                                                                                                                                                                                                                                   |
| Interface            | USB Type-C                                                                                                                                                                                                                                             |
| Tube diameter        | Standard 30 mm                                                                                                                                                                                                                                         |
| <b>System</b>        |                                                                                                                                                                                                                                                        |
| Recording function   | Photo/Video                                                                                                                                                                                                                                            |
| Memory capacity      | 32 GB                                                                                                                                                                                                                                                  |
| <b>Power</b>         |                                                                                                                                                                                                                                                        |
| Battery type         | Single 18650 battery (built-in) and customized battery (external)                                                                                                                                                                                      |
| Operating time       | 15 hours                                                                                                                                                                                                                                               |
| <b>Environmental</b> |                                                                                                                                                                                                                                                        |
| Operating temp.      | -30 °C to 50 °C/ -22°F to +122°F                                                                                                                                                                                                                       |
| Shock                | 800G/1ms semi-sinoidal IEC60068-2-27                                                                                                                                                                                                                   |
| Encapsulation        | IP67                                                                                                                                                                                                                                                   |
| <b>Physical</b>      |                                                                                                                                                                                                                                                        |
| Weight(g/ oz)        | 980/ 34.57                                                                                                                                                                                                                                             |
| Size(mm/ in)         | 371×107×68/ 14.60×4.21×2.68                                                                                                                                                                                                                            |
| Standard             | Device, Lens cover, Eye mask, 5V2A adapter (US, Britain, Australia and Europe), Customized battery×2, Customized battery charger, USB Type-C cable, Micro HDMI cable, Clip×2, IR illuminator, IR illuminator bracket, Quick start guide, Warranty card |
| Optional             | Customized battery, Laser rangefinder, Bluetooth controller, Dovetail rail                                                                                                                                                                             |