

Binocular Performance Rating



| | Prism | Objective Glass | Lens Coatings | Light Transmission | Resolution | Field Presentation | Low Light Performance | Durability | Waterproofing Fog Proofing | Comfort Features | BPR Rating |
|-------------------|-------|-----------------|---------------|--------------------|------------|--------------------|-----------------------|------------|----------------------------|------------------|------------|
| Razor 50 MM | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 100.0 |
| Razor 42 MM | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 9.5 | 10.0 | 10.0 | 10.0 | 99.5 |
| Viper 50 MM | 9.5 | 9.5 | 10.0 | 10.0 | 9.5 | 9.5 | 10.0 | 10.0 | 10.0 | 9.5 | 97.5 |
| Viper 42 MM | 9.5 | 9.5 | 10.0 | 10.0 | 9.5 | 9.5 | 9.5 | 10.0 | 10.0 | 9.5 | 97.0 |
| Fury 42 MM | 9.0 | 9.0 | 9.5 | 9.5 | 9.0 | 9.0 | 9.5 | 10.0 | 10.0 | 9.5 | 94.0 |
| Fury 32 MM | 9.0 | 9.0 | 9.5 | 9.5 | 9.0 | 9.0 | 9.0 | 10.0 | 10.0 | 9.5 | 93.5 |
| Fury 28 MM | 9.0 | 9.0 | 9.5 | 9.5 | 9.0 | 8.5 | 7.0 | 10.0 | 10.0 | 9.0 | 90.5 |
| Vulture 50 MM | 8.0 | 8.0 | 9.0 | 9.0 | 9.0 | 8.0 | 9.5 | 9.5 | 9.5 | 9.0 | 88.5 |
| Diamondback 42 MM | 8.0 | 8.0 | 9.0 | 9.0 | 8.5 | 9.0 | 9.0 | 9.5 | 9.5 | 9.0 | 88.5 |
| Crossfire 42 MM | 7.0 | 7.0 | 7.5 | 8.0 | 7.5 | 8.0 | 8.5 | 8.0 | 9.0 | 8.0 | 78.5 |
| Hurricane 28 MM | 8.0 | 8.0 | 9.0 | 9.0 | 8.5 | 8.5 | 6.5 | 9.5 | 9.5 | 9.0 | 85.5 |
| Lightning 32 MM | 7.0 | 7.0 | 7.5 | 8.0 | 7.5 | 8.0 | 7.0 | 8.0 | 9.0 | 8.0 | 77.0 |
| Spitfire 32 MM | 7.5 | 7.5 | 8.0 | 8.0 | 8.0 | 8.5 | 7.5 | 8.0 | 9.0 | 8.0 | 80.0 |
| Spitfire 25 MM | 7.5 | 7.5 | 8.0 | 8.0 | 8.0 | 7.5 | 6.0 | 8.0 | 9.0 | 8.0 | 77.5 |
| Vanquish 26 MM | 7.5 | 7.5 | 8.0 | 8.0 | 8.0 | 8.5 | 6.5 | 8.0 | 9.0 | 8.0 | 80.0 |
| Typhoon 26 MM | 7.0 | 7.0 | 6.5 | 7.0 | 7.0 | 7.0 | 5.5 | 8.0 | 7.5 | 7.5 | 70.0 |
| DLS 42 MM | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 9.5 | 10.0 | 10.0 | 10.0 | 9.5 | 99.0 |
| Broadwing 42 MM | 9.0 | 9.0 | 9.5 | 9.5 | 9.0 | 9.0 | 9.5 | 10.0 | 9.5 | 9.0 | 93.0 |
| Talon 42 MM | 8.0 | 8.0 | 9.0 | 9.0 | 8.5 | 9.0 | 9.0 | 9.5 | 9.5 | 9.0 | 88.5 |
| Meadowlark 25 MM | 7.5 | 7.5 | 8.0 | 8.0 | 8.0 | 7.5 | 6.0 | 8.0 | 9.0 | 8.0 | 77.5 |

FACTORS DETERMINING OVERALL PERFORMANCE

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Prism

Grade, density, type of mirror finish, surface flatness and reflectivity.

Objective Glass

Transparency, cut, polish, light refractive performance, spherical integrity, and composition.

Lens Coatings

Hardness, number of surfaces coated, number of coating layers, phase shift index and ability to reduce light reflection.

Light Transmission

Amount of light transmitted through the optical system.

Resolution

Color fidelity, contrast, optical aberrations, image detail and clarity.

Field Presentation

Field of view relative to magnification, edge-to-edge sharpness, field curvature and chromatic aberration.

Low Light Performance

Considering magnification, objective lens size, exit pupil, and the ability to deliver image detail under adverse and unfavorable light.

Durability

Chassis build, quality and materials used.

Waterproofing

Sealed for integrity according to the JIS scale for waterproofing.

Comfort Features

Eyecup style, eye relief, texture of rubber armor, diopter location and features, tripod adaptability, neck strap and case, lens covers and rainguard.