

VORTEX DIAMONDBACK HD SPOTTING SCOPES

Launched in August 2020, the new Diamondback HD spotting scopes have been completely redesigned to take on the "family look" of the Viper HD and Razor HD 'scopes and optically upgraded to feature HD glass and bigger objective lenses for improved clarity and brightness of the image. A helical/barrel focus wheel allows for a sleeker design and a more rugged construction and new zoom eyepieces give a notable increase of up to 20% field of view with their respective 16-48x zoom on the new 65mm HD models and 20-60x zoom on the new 85mm HD models.

The new rugged aluminium chassis has all-over full-body protective rubber armouring and the scopes have Argon gas purging to prevent internal fogging and are fully waterproof. The external lenses have Armortek hardened coatings and all feature a built-in sunshade and rotating tripod mount.

All of the new Diamondback HD scopes come complete with protective eyepiece and objective lens covers, a Neoprene Stay-on-Scope case and are of course covered by the Vortex Unlimited Lifetime Warranty when purchased from one of our UK Authorised Dealers.



Diamondback HD 'scopes are available in 16-48x65mm HD Angled or Straight body and 20-60x85mm HD Angled or Straight body design.

Optical Features

HD Lens Elements: Optimized optical system delivers impressive resolution, cuts chromatic aberration and provides excellent colour fidelity, edge-to-edge sharpness and light transmission - resulting in High Definition views.

XR Lens Coatings: Vortex proprietary coatings increase light transmission with multiple anti-reflective coatings on all air-to-glass surfaces.

Dielectric Prism Coatings: Multi-layer prism coatings provide bright, clear, colour-accurate images.

Construction Features

Porro Prism: Offers maximum image quality and performance in a traditional design.

i) Angled Body Design: Valued for allowing an overall lower mounting height which maximizes stability in wind, offers greater comfort when viewing for extended periods, and permits the use of a smaller, lighter tripod.

ii) Straight Body Design: Valued for speedy subject acquisition and ease of use. Most compatible design for use with car window mounts.

Waterproof: Optics are sealed with O-rings to prevent moisture, dust, and debris from getting inside the spotting scope.

Fogproof: Argon gas purging guarantees superior fogproof and waterproof performance.

ArmorTek: Exterior lenses are protected by ArmorTek — an ultrahard, scratch-resistant compound that repels oil, dirt and the corrosive salts of fingerprints.

Rubber Armour: The all-over rubber armouring protects the exterior of your scope.

Convenience Features

Adjustable Eyecup: Twists up and down to precise 'click-stop' settings for comfortable viewing with or without spectacles.

Helical / Barrel Focus: New Dual geared focus system allows for fast yet precise adjustments.

Sunshade: Reduces glare and shields the objective lens from raindrops and snow.

Rotating Tripod Collar: Allows rotation of the eyepiece to a sideways position—most useful for viewing through an angled spotting scope body on a car window mount.

Vortex Diamondback HD Spotting Scope Technical Specifications:

16-48x65mm HD Angled:

Magnification: 16-48 x
Objective Lens Diameter: 65 mm
Linear Field of View: 138-72ft/1000yd
Angular Field Of View: 2.63-1.38 deg
Close Focus: 5m / 16.4 feet
Eye Relief: 20.3mm - 18.3mm
Exit Pupil: 4mm - 1.35mm
Length: 362mm / 14.25 inches
Weight: 1415g / 49.8 ounces

16-48x65mm HD Straight:

Magnification: 16-48 x
Objective Lens Diameter: 65 mm
Linear Field of View: 138-72 ft/1000yd
Angular Field Of View: 2.63-1.38 deg
Close Focus: 5m / 16.4 feet
Eye Relief: 20.3mm - 18.3mm
Exit Pupil: 4mm - 1.35mm
Length: 350mm / 13.75 inches
Weight: 1430g / 50.4 ounces

20-60x85mm HD Angled:

Magnification: 20-60 x
Objective Lens Diameter: 85 mm
Linear Field of View: 108-60ft/1000yd
Angular Field Of View: 2.1-1.1 degrees
Close Focus: 7.5m / 24.6 feet
Eye Relief: 20.3mm - 18.3mm
Exit Pupil: 4.25mm - 1.41mm
Length: 406mm / 16 inches
Weight: 1730g / 60.9 ounces

20-60x85mm HD Straight:

Magnification: 20-60 x
Objective Lens Diameter: 85 mm
Linear Field of View: 108-60 ft/1000 yd
Angular Field Of View: 2.1-1.1 degrees
Close Focus: 7.5m / 24.6 feet
Eye Relief: 20.3mm - 18.3mm
Exit Pupil: 4.25mm - 1.41mm
Length: 400mm / 15.75 inches
Weight: 1740g / 61.3 ounces

16-48x65mm Diamondback HD Angled Spotting Scope



16-48x65mm Diamondback HD Straight Spotting Scope



20-60x85mm Diamondback HD Angled Spotting Scope



20-60x85mm Diamondback HD Straight Spotting Scope



For more information please visit www.vortex-optics.co.uk
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