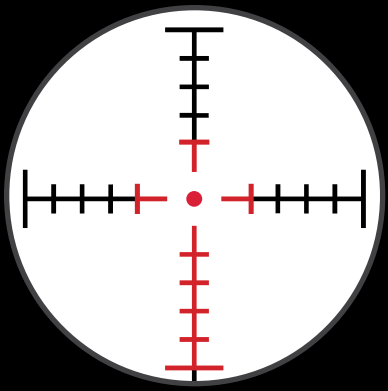
EOTECH®



vudu®

HC1

RETICLE

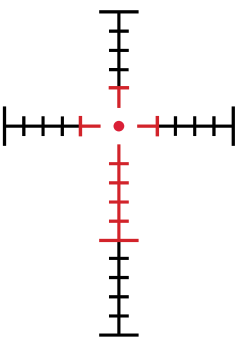
EOTECH® reserves the right to change the product specifications at any time without notice. All brand names and product names referenced are trademarks, registered trademarks or trade names of their respective holders.

Specifications provided in this user manual are nominal values only. Tolerance ranges consistent with industry best practices apply.

Contents

HC1 Reticle

Utilizing the popular MIL-DOT style pattern, the HC1 was designed to be a versatile medium to long range reticle. Combined with the resolution and accuracy of the Vudu Second Focal Plane (SFP) riflescope, it will allow you to confidently engage targets in nearly any situation. Whether your passion is for competition or big game hunting, the HC1 reticle's versatility will get the job done.



HC1

Second Focal Plane

Second Focal Plane riflescopes have the reticle installed at the rear of the erector tube, behind the magnification lens. When the magnification is increased, the reticle pattern remains the same size. As a result, the spacing between the actual reticle marks will subtend differently throughout the magnification range. The advantages of a SFP reticle is that the stadia lines and aiming dots do not grow as the magnification is increased. This allows for a cleaner field of view and more precise aiming at higher magnification levels.

PRO TIP *The shooter is still capable of using the MOA reticle pattern to perform range estimation, hold over or hold off a target, but it is necessary to do so at the highest magnification setting in order for it to subtend at the appropriate value. The reticle will subtend accurately in 1 MOA increments at the highest magnification setting (See Image on Page 5).*

MOA Subtensions

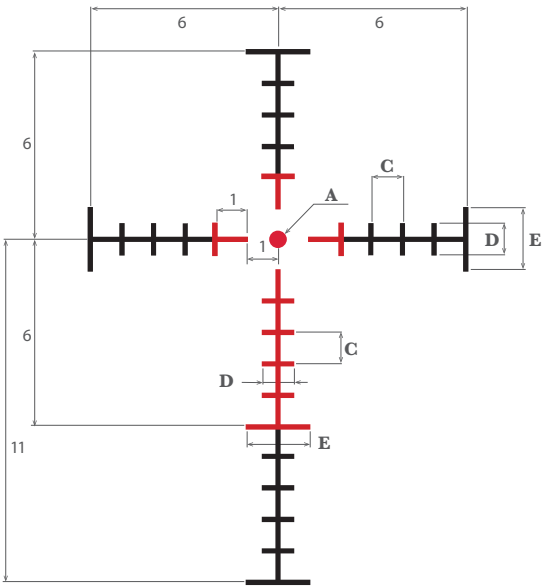
The HC1 reticle is based on the Minute of Angle, or MOA, angle of measurement. With a known target size, and the magnification level set to the highest setting, this system allows the shooter to use angle ratios to determine distance of targets with reliable accuracy. One MOA subtends to approximately 1 inch (1.047 exactly) at 100 yards. The Vudu 3.5-18 riflescope with the HC1 reticle uses 0.25 MOA per click adjustments that subtend to .25” at 100 yards.

MOA Ranging Formulas

$$\frac{\text{Target Size (in.)} \times 95.5}{\text{MOA Reading}} = \text{Range (Yards)}$$

$$\frac{\text{Target Size (cm)} \times 34.83}{\text{MOA Reading}} = \text{Range (Meters)}$$

NOTE: *Subtensions measured in MOAs. Image shown on page 7 is for representation only.*



DIM	Description	3.5x	18x
A	Center Dot Diameter (MOA)	2.5	0.50
B	Line Thickness (MOA)	0.75	0.15
C	Space between hash marks (MOA)	5.00	1.00
D	Length of short hash marks (MOA)	5.00	1.00
E	Length of long hash marks (MOA)	10.00	2.00

Service and Repair

- Visit the manufacturer's website at **eotechinc.com**.
- Navigate to the **Help Center** to complete the Return Authorization Request Form. EOTECH will provide detailed instructions on how to return your optic for repair.
- Contact EOTECH's Customer Service department by calling 888.EOTHOLO (888.368.4656) or submit a request online at **eotechinc.com**.

PRO TIP: *Do not ship the sight(s) without a Return Authorization number — this will severely delay the turnaround time on repair or replacement.*

Contact Information

For prompt, professional and friendly service contact EOTECH at:

888.EOTHOLO (888.368.4656)
eotechinc.com

Shipping Address

EOTECH
Warranty and Service Department
1201 E. Ellsworth Road
Ann Arbor, Michigan, 48108 USA
Reference RA#

SCAN FOR PRODUCT REGISTRATION

SCAN FOR WARRANTY INFORMATION

NOTES

Thank you for purchasing an EOTECH Vudu riflescope.

VD1909 Rev B
April 2021

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