

HWS[®] CUAS



Purpose-built for Counter-UAS applications, this advanced holographic reticle enables rapid engagement of both stationary and moving drones. A primary dot with a fractured outer circle enhances target acquisition, while integrated lead references provide intuitive holds for crossing targets at varying distances. Available in the night vision compatible EXPS3[®] and XPS3[™] models.



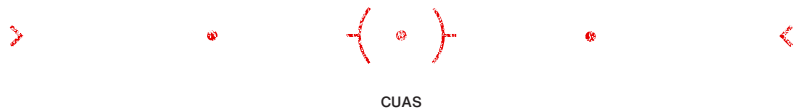
ORDER CODES

EXPS3-DSR
XPS3-DSR

TECHNICAL SPECIFICATIONS

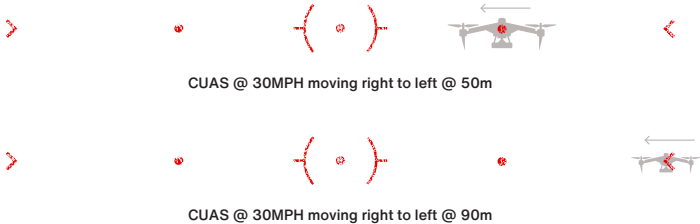
L x W x H	EXPS3: 3.8" x 2.3" x 2.9" (96.5 x 58.4 x 73.7 mm)
	XPS3: 3.8" x 2.1" x 2.5" (96.5 x 53.3 x 64 mm)
WEIGHT	EXPS3: 11.2 oz (317.5 g) XPS3: 9.0 oz (255 g)
WATER-RESISTANT	33 ft (10 m) depth
MOUNT	1" Weaver or MIL-STD 1913 rail
BRIGHTNESS	20 daylight settings 10 additional settings for Gen I - III+ night vision devices
POWER SOURCE	1 x CR123 battery
WINDAGE AND ELEVATION	0.5 MOA per click
BATTERY LIFE	1,000 continuous hours at nominal setting 12 at room temperature
OPERATING TEMPERATURE	-40°F to 140°F (-40°C to 60°C)
COUNTRY OF ORIGIN	Made in USA

RETICLE



WHY HOLOGRAPHY

Holography is essential when designing large pattern reticles. The CUAS reticle is achieved through complex and often expensive unconventional optics to correct for parallax error and other aberrations. The holographic solution ensures that all the potential aiming points stay in focus at the target position regardless of the size and shape of the reticle. Holographic optical elements provide a wider field of view and unrecognizable parallax compared to conventional lenses.



Assuming a 30 mph CUAS crossing at a 90 degree path, the user would position the inner left or right dot on drones at 50m out and use the outer chevrons to engage drones at 90m out.



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