

ENGEREK-CS45

DUAL-PURPOSE THERMAL WEAPON SIGHT



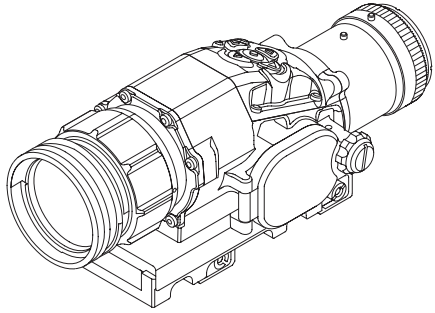
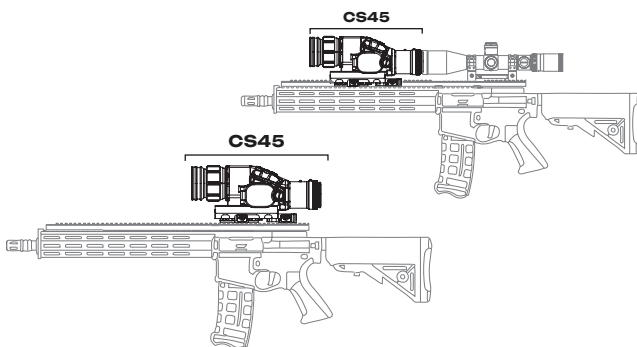
Thermal Imaging with Multiple Color Palettes



GENERAL FEATURES

CS45 is a uncooled thermal weapon sight designed for medium- and long-range operational use, supporting both clip-on and standalone sight configurations. The system integrates a high-precision thermal detector and an advanced optical system, providing reliable target identification and accurate aiming capability at extended distances.

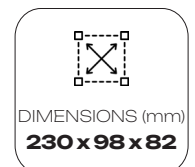
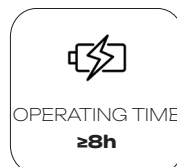
In clip-on configuration, the CS45 can be mounted in front of existing daytime optics without requiring re-zeroing. By switching configurations, the same system can also be used as a standalone weapon sight. The CS45 delivers reliable performance under harsh operational conditions.



SPEC SUMMARY

Usage (Dual-Purpose)	Clip-On / Standalone
Detector Type	Uncooled μ B
Spectral Band	8–14 μ m
Detector Resolution	640×512
Field of View	9.8° x 7.8°
Optical Magnification	1X (Clip-On) - 2X (Standalone)
Digital Magnification	2X-4X-8X

	Detection		2100m
	Recognition		720m
	Detection		4300m
	Recognition		1430m



*These calculations have been performed according to the Johnson criteria. Actual performance may vary depending on atmospheric conditions, temperature, humidity, fog, precipitation and other environmental factors.
*A tolerance of ±10% applies to all parameters.