BACK-UP SIGHT

Non-powered direct sight for armored vehicles

Nedinsco's BACK-UP SIGHT provides the crew of armored vehicles with the ability to engage targets in degraded mode. The non-powered BACK-UP SIGHT is an emergency device and is TRL-9. Available in both Single Field of View and Dual Field of View models, this non-powered direct sighting device is suitable for new and retrofit programs for armored vehicles. The BACK-UP SIGHT can be customized to be used with different caliber guns and in a variation of military vehicles.

KEY FEATURES

- Targeting and situational awareness in degraded mode
- Non-powered direct sight with integrated reticle and laser filter
- Flexible, high quality optical fiber bundle
- Spoof proof
- Easy integration

DETECTION | RECOGNITION | IDENTIFICATION

NATO standard test target (2.3 x 2.3 m)

MAN (1.8 x 0.9 m)

TECHNICAL SPECIFICATIONS – BACK-UP SIGHT

			COBRA LR D-FOV	COBRA MR D-FOV	PYTHON S-FOV
MECHANICAL DIMENSIONS					
Eyepiece (HxWxL)			119x86x142 mm (4.7x3.4 x 5.6")	120x105x172 mm (4.8x4.2x6.8")	55x55x178 mm (2.2x2.2x7")
Objective (HxWxL)			138 x 90 x 180 mm (5.4x3.5x7.1")	139x133x164 mm (5.5x5.3x6.5")	56x62x173 mm (2.2x2.5x6.9")
Optical fiber	Length			0.6 – 4.5 m (24 - 180")	
	Feed through hole armor			Ø40 mm (Ø1.58")	
	Bending radius			R152mm (R6")	
Weight [1]			7.6 kg (16.8 lb)	7.6 kg (16.8 lb)	3 kg (6.6 lb)
OPTICAL					
Narrow Field Of View (HxV)			2.2x1.6°	2.95x2.2°	2.2x1.6°
Wide Field Of View (HxV)			21.7x16.3°	20x15°	N/A
System Magnification - Zoom			1x, 10x	1.08x, 7.4x	10x
Exit pupil diameter				Ø6 mm (Ø0.24")	
Eye relief position				20 mm (0.79")	
Diopter adjustment				±4D	
Optical fiber resolution				670x500 or 500x670	
Laser filter [2]				OD5, λ694 & 1064 nm	
Reticle	Adjustment		±1.4 mil	±3.8 mil	N/A
	Design [2]			Cross	
	Illumination [2]			Optional red LED	
ENVIRONMENTAL					
Operating temperature				-46°C (-50.8F) to +71°C (+159.8F)	
Environmental standard				MIL-STD-810F	

(1) Based on 72" (1.8m) optical fiber; (2) Customer specific solutions possible

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