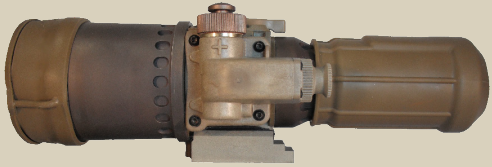


CNVD-LR™



**L-3 EOS Gen III
Image Intensified
Night Vision**

The L-3 EOS CNVD-LR is a rugged, long-range, clip-on night vision device based upon L-3 EOS' very successful M2124 CNVD(AN/PVS-24) and designed for higher caliber weapons and long range identification and engagement.



FAST FACTS:

- Converts Existing Optics to Night Vision without Zero Shift
- Quick-Disconnect Mount for MIL-STD-1913 Rail Systems
- Maintains Shooting Position and Eye Relief
- L-3 EOS Generation III Image Intensifier (I²) Tube
- CNVD-LR Mounts In-line with Standard Day Optics
- Low Battery Indicator and Reverse Polarity Battery Protection
- Optimized for 4X - 20X Magnified Rifle Scopes

FEATURES:

- Advanced design eliminates requirement to remove a primary daytime sighting system when converting to night vision
- Supplements existing primary sighting system
- Maintains consistent eye relief and shooting position, as well as retaining user muscle memory
- Optional AA battery conversion cap allows AA or CR123 battery capability
- Manual gain and focus adjustments for custom image quality optimization
- May also be used with spotting scopes and as a handheld observation device
- Optimized for 7.62, .338 LaPua and other common "sniper-grade" weapon systems

TYPICAL EFFECTIVE PERFORMANCE *

VEHICLE RECOGNITION RANGES:

Illumination Conditions	CNVD-LR 1400 FOM	CNVD-LR 1600 FOM	CNVD-LR AUTO-GATED
Full Moon	3100m	3250m	3350m

MAN RECOGNITION RANGES:

Illumination Conditions	CNVD-LR 1400 FOM	CNVD-LR 1600 FOM	CNVD-LR AUTO-GATED
Full Moon	1700m	1750m	1800m

* With 8X Magnified Day Scope

INCLUDED CONTENTS AND AVAILABLE ACCESSORIES

STANDARD EQUIPMENT:

- CNVD-LR
- Quick-Disconnect Lever Mount
- CR123 Lithium Battery
- Lens Cleaning Kit
- Wrench
- Operation Manual
- Soft Carry Case
- Collimator Hood

OPTIONAL ACCESSORIES AND SPARE PARTS:

- Spare Batteries (CR123, AA)
- Soft Carrying Case
- AA Battery Conversion Cap
- LaRue "S.T.O.M.P." Mount
- Adjustment Wrench
- Hex Wrench
- Operation Manual
- Collimator Hood



Summit Night Vision Group LLC, Fort Worth, Texas, USA
Summit Night Vision Group is a U.S. Service-Disabled, Veteran-Owned Small Business.
Summit Night Vision Sales: 817-475-0142 Sales@SummitNightVision.com

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CNVD-LR™ TECHNICAL SPECIFICATIONS

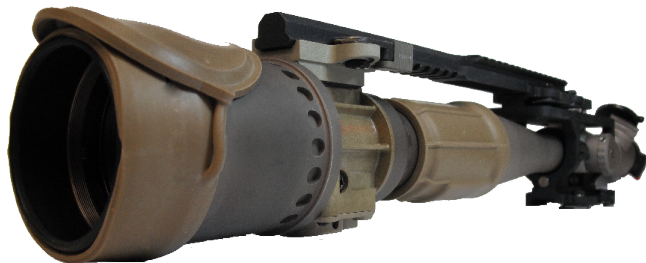
PERFORMANCE PARAMETERS BY MODEL	CNVD-LR 1400 FOM (P/N 245105-CS1400)	CNVD-LR 1600 FOM (P/N 245105-CS1600)	CNVD-LR AUTO-GATED (P/N 245140-CS001)
IMAGE TUBE FIGURE OF MERIT (FOM) FOM = SNR x RESOLUTION	1152 FOM (Min) 1400 FOM (Max)	1344 FOM (Min) 1600 FOM (Max)	1344 FOM (Min) AUTO-GATED
IMAGE TUBE RESOLUTION (lp/mm)	64 (Min)	64 (Min)	64 (Min)
IMAGE TUBE SIGNAL TO NOISE RATIO	18.0 (Min)	21.0 (Min)	21.0 (Min)
IMAGE TUBE HALO (mm)	.85 (Min) to 1.25 (Max)	.85 (Min) to 1.25 (Max)	1.0 (Max)
SYSTEM PERFORMANCE RESOLUTION (cy/mr)	3.86 (Min), 4.86 (Typical)	3.86 (Min), 4.86 (Typical)	3.86 (Min), 4.86 (Typical)
IMAGE TUBE PHOTOCATHODE SENSITIVITY 2856° K (µA/lm)	1350 (Min)	1500 (Min)	1800 (Min)
IMAGE TUBE PHOTOCATHODE SENSITIVITY at 830nm (mA/W)	135 (Min)	155 (Min)	190 (Min)
IMAGE TUBE EBI (x10-11 phot)	5.0 (Max)	5.0 (Max)	2.5 (Max)
IMAGE TUBE LUMINANCE GAIN @ 2x10 ⁻⁴ fc (fL/fc)	40000 (Min) to 70000 (Max)	40000 (Min) to 70000 (Max)	40000 (Min) to 70000 (Max)
IMAGE TUBE LUMINANCE GAIN @ 2x10 ⁻⁴ fc (fL/fc)	10000 (Min) to 20000 (Max)	10000 (Min) to 20000 (Max)	10000 (Min) to 20000 (Max)
IMAGE TUBE OUTPUT BRIGHTNESS @ 1 and 20 fc (fL)	2.0 (Min) to 4.0 (Max)	2.0 (Min) to 4.0 (Max)	1.4 (Min) to 4.2 (Max)
IMAGE TUBE RELIABILITY (HOURS)	10000	10000	10000

PHYSICAL SPECIFICATIONS

OPTICS	FIELD OF VIEW (FOV)	8°	BORESIGHT CHARACTERISTICS	ACCURACY	Aligned to .4 MOA or Better
	FOCAL LENGTH	110 mm (4.3 in)		RETENTION	Permanent to 1 MOA or Better
	MIN FOCUS DISTANCE	25 m (27.3 yd)		REPEATABILITY	Within .5 MOA
	MAGNIFICATION	1x (Unity)		ADJUSTMENTS	None Required
	LENS	Fast f/1.85 Catadioptric		OUTPUT OPTIC	28 mm (1.1 in)
POWER	POWER SOURCE	1 CR123 Lithium Battery (or 1 AA Battery with Optional Battery Conversion Cap)	WARRANTY	HOUSING	1 Year
	BATTERY LIFE	16(+) hours @ room temperature		TUBE	1 Year
PHYSICAL CHARACTERISTICS	WEIGHT	875.4g with battery (1.9 lbs)	ENVIRONMENTAL CHARACTERISTICS	SUBMERSIBILITY	Waterproof to 20m (66ft, 3Atms)
	SIZE	25.1cm L (w/light baffle)x 9.7cm W x 8.6cm H (9.9 in L x 3.8 in W x 3.4 in H)		OPERATING TEMPERATURE	-40°C to +51°C (-40°F to +124°F)
	COLOR	Taupe		STORAGE TEMPERATURE	-51°C to +71°C (-60°F to +160°F)
	MOUNT	Single-Throw Lever Quick-Disconnect Mount for Picatinny Rail (MIL-STD-1913/STANAG 2324)			

Specifications subject to change without notice

CNVD-LR January 2011



 MADE IN THE U.S.A. 

STANDARD EQUIPMENT:

- CNVD-LR
- Quick-Disconnect Lever Mount
- CR123 Lithium Battery
- Lens Cleaning Kit
- Wrench
- Operation Manual
- Soft Carry Case
- Collimator Hood

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