

High Performance THERMAL
MONOCULAR for Professionals

RAZIRBACK



384 x 288

- 2x/4x Digital Zoom
- 25mm Objective
- 640 x 480 Video Output
- 25µm IR Detector
- Customizeable Reticle
- Rechargeable Batteries

The NITEHOG RAZIRBACK™ is a 384 x 288 Enhanced Multi-Purpose Thermal System for Commercial, Military and Law Enforcement Use

Ideal for...



Security Missions



Surveillance



MIL-STD-1913
Rail Systems

- 384 x 288 Pixel Resolution Enhanced Thermal System
- Proven VoX Microbolometer 25µm Detector Technology
- 1x Optical Magnification & 2x, 4x Digital Zoom
- Rugged Alloy, Shock-Rated for Most Common MIL/LE Platforms
- More than 4Hrs Continuous Battery Life with Rechargeable LiOn
- Quick-Detach Mounting System Avail. for MIL-STD-1913 Picatinny Rails
- Video Output Enables Remote Viewing, Recording or Training
- Multiple Reticle Options Available for Use w/Variou Weapon Systems
- Can be Used as Handheld, Head/Helmet Mounted with Optional Adapter, Weapon Mounted on MIL-STD-1913 Rail with Optional Mount, or Tripod-Mounted Device (w/Optional Rail Adapter)

www.NITEHOG.com

877 - NITEHOG (648-3464)
Sales@NITEHOG.com



NITEHOG™

SPECIFICATIONS

SENSOR (FOCAL PLANE ARRAY)	SENSOR MATERIAL	VOx Microbolometer
	SPECTRAL RANGE	7-14 μm (filter bandwidth)
	PIXEL COUNT (RESOLUTION)	384 x 288
	FRAME RATE	25 Hz PAL (30 Hz NTSC-optional)
	PITCH SIZE	25 μm
	NON-UNIFORMITY CORRECTION	Automatic / Manual
	POLARITY	White Hot / Black Hot
	CONTRAST/BRIGHTNESS	Automatic with Advanced Image Processing
	THERMAL SENSITIVITY	< 80 mK
OPTICS	OBJECTIVE FOCAL LENGTH	25 mm
	MAGNIFICATION	1X Optical/ 2X, 4X Digital Zoom
	FIELD OF VIEW	22° Horizontal x 16° Vertical
	FOCUS METHOD	Manual
	EYE RELIEF	22 mm (.87 in)
	ACCURACY	1 Click = 30 mm at 100 m (~1 in at 100 yd)
POWER	POWER SOURCE	2 Rechargeable Lithium Batteries
	OPERATING TIME	> 4 hours Continuous
	AUXILIARY POWER	9-30 V DC, 110/220 V AC
FEATURES	RETICLE	4 Cross-Hair Types Standard (Customer-Specific Available)
	RETICLE ADJUSTMENTS	Digital Elevation/Windage (X,Y)
	START-UP TIME	< 5 Seconds
	ANALOG VIDEO OUTPUT	CCIR-PAL(or Optional RS-170 NTSC)
PERFORMANCE	HUMAN DETECTION RANGE [‡]	> 500 m (550 yd)
	HUMAN RECOGNITION RANGE [‡]	> 140 m (150 yd)
	VEHICLE DETECTION RANGE [‡]	> 850 m (930 yd)
	VEHICLE RECOGNITION RANGE [‡]	> 200 m (220 yd)
PHYSICAL	OPERATING TEMPERATURES	-32°C to 60°C (-25°F to 140°F)
	STORAGE TEMPERATURES	-35°C to 60°C (-31°F to 140°F)
	SIZE (W/O EYECUP) H x W x L	62 mm x 65 mm x 145 mm (2.4 in x 2.6 in x 5.7in)
	WEIGHT	400g (.88 lbs) w/Batteries

[‡]Operational distances are given at levels of 50% success probability and 2°C temperature difference between target and background.



RAZIRBACK INCLUDES:

RAZIRBACK
MONOCULAR/MULTIPURPOSE
THERMAL SYSTEM

EYECUP

SOFT CARRY CASE
W/CARRY STRAP

4 LITHIUM BATTERIES (3.7 V)

BATTERY CHARGER

9-30 V DC POWER MODULE

VIDEO AND SYSTEM CABLES

RAZIRBACK OPTIONS:

POCKET/COMPACT
DIGITAL VIDEO RECORDER

TRIPOD ADAPTER RAIL

HEAD/HELMET MOUNT ADPTR
(USE WITH PVS-7/14 MOUNT)

MIL-STD-1913 RAIL MOUNT

STORAGE/TRAVEL CASE

9-30 V DC POWER MODULE

RETICLE CUSTOMIZATION
(FOR BALLISTIC COMPENSA-
TION,
CUSTOM BRANDING,
OR SPECIAL FORMATS)



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