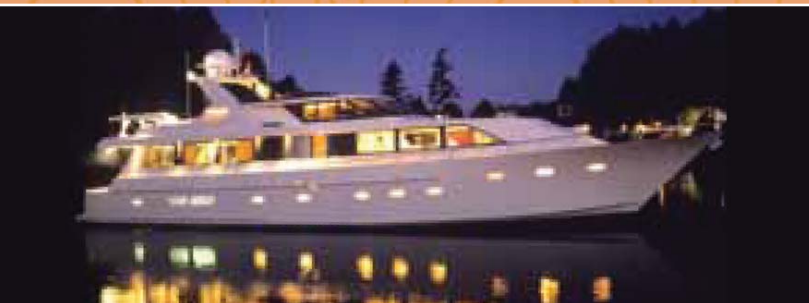


ComNav[®]



HV Series Handheld Thermal Vision Cameras

Crystal Clear Night Vision

- Available in 25mm and 50mm 61mm and 80mm lens options
- 2x electronic zoom
- Adjustable contrast and brightness LCD colour display
- Adjustable contrast and brightness OLED view finder display
- 44% increased image resolution with 384 x 288 over 320 x 240
- 50 Hz high image frequency
- Monocular wide object detection range up to 2.9 km
- Binocular wide object detection range up to 4.65 km
- White Hot/Black Hot Switch
- Runs off re-chargeable batteries with low power consumption and displays video on built in screen
- Removeable 8GB SD card
- Freeze frame functions for greater image utility
- Analog composite video output
- Video recording and image capture recording
- Tripod mount option
- Multi choice versions for different detection requirements
- USB 2.0 interface for fast and convenient data transfer
- CE, FCC certified and RoHS compliance
- 2 Year Warranty
- Worldwide Service

HV SERIES

SYSTEM CONFIGURATION & OPTIONS



HV 100 • HV 125 • HV 150



HV 260 • HV 280

SPECIFICATIONS

Detector

Detector Material	384x288 / 160x120 Asi Microbolometer	384x288 Asi Microbolometer
Spectral Range	8-14 μ m	8-14 μ m
Lens	50 mm / F1.1, 25 mm / F1.0	80 mm / F1.0, 61 mm / F0.8
Field of View (FOV)	9.15x6.87° (50 mm), 18.18x13.69° (25 mm)	9.6x7.2° (80 mm), 6.87x5.15° (61 mm)

Image Storage

Type	Removable w/4GB SD	Built in on board w/4 GB SD
File Format	BMP	BMP
Video Recording	AVI Format	AVI Format

Image Presentation

Display	LCD colour, 320x240 pixels	OLED view finer, 852x600 pixels
Video Output	50 Hz PAL / NTSC	50 Hz PAL / NTSC
Focus Zoom	Manual, 2x electronic, manual focus	Manual, 2x electronic, motorized focus
Adjust	Auto / Manual brightness and contrast	Auto / Manual brightness and contrast
Polarity	White Hot / Black Hot Switch	White Hot / Black Hot Switch
Standby Mode	✓	✓
Still Image Capture and Video	✓	✓

Power System

External DC Adapter	110-240 VAC / 9 VDC	110-240 VAC / 9 VDC
Rechargeable Li-ion Camcorder Battery	-	DC 7.2 VDC 1.75 AH
Rechargeable Battery Dock	✓	✓
Power Dissipation	< 5 W at 25°C	< 5 W at 25°C
Battery Type	4AA or 4.8 VDC / Li or alkaline	Li-Ion battery
Battery Operating Time	> 2 hours continuous	> 2.5 hours continuous
Interface	RS-232, USB 2.0	RS-232, USB 2.0
Analog Video Output	✓	✓

Environmental

Operating Temperature	-10°C to +50°C	-20°C to +60°C
Storage Temperature	-30°C to +70°C	-30°C to +70°C
Water and Shock Resistance	Shockproof 1 m drop	Waterproof 1m submersion, shockproof 1m drop
Colour	dark grey, orange	dark grey, orange
Weight	0.6 kg / 1.3 lbs, 0.76 kg / 1.7 lbs	1.2 kg / 2.6 lbs
Dimensions	160x110x70 mm / 6.3x4.3x2.8 in	195x90x160 mm / 7.7x3.5x6.3 in
Compliance	CE, FCC, RoHs	CE, FCC, RoHs

EXTREME DETECTION RANGE PERFORMANCE

HV 260 (10° Lens)

Man 1.37 km / 0.85 mi (4,494 ft)

Small Vessel 3.32 km / 2.1 mi

HV 280 (7° Lens)

Man 1.92 km / 1.2 mi (6,299 ft)

Small Vessel 4.65 km / 2.9 mi

ComNav®



ComNav Marine Ltd.

#15-13511 Crestwood Place,
Richmond, British Columbia • Canada • V6V 2G1

Phone: 604-207-1600 • Fax: 604-207-8008

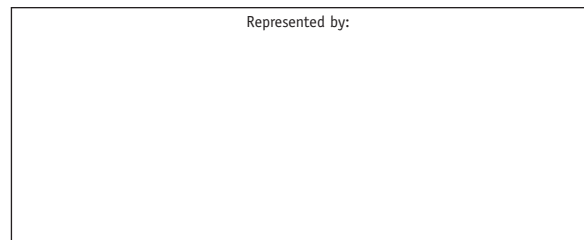
E-mail: sales@comnav.com

www.comnav.com

Worldwide Service

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Specifications subject to change without notice