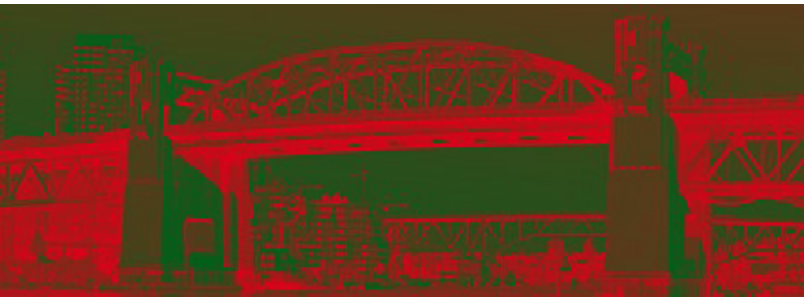


ComNav[®]



HV100XL Hand held Thermal Night Vision Camera

**Crystal Clear
Night Vision
2x / 4x Zoom**

- Super fast lenses make for crisp image capturing
- 35mm/F1.2 standard lens
(optional lenses: 25mm/F1.1; 50mm/F1.2)
- 400x300 resolution
- 2x /4x digital zoom
- Adjustable contrast and brightness
- Color palettes: black hot, white hot, red hot 1, 2 & 3
- Build-in stadiametric range finder
- High frame rate of 50Hz
- 16GB memory card interface
- Operates on rechargeable batteries
- Low power consumption
- USB interface for data transfer and charging
- IP66 rated
- Meets CE and RoHS requirements
- 1-year warranty



DETECTOR

Type: 400x300 @ 17µm, Vox
Spectral Range: 8µm -14µm
NETD: ≤ 50mK

LENS

Focal Length: 35mm/F 1.2 (optional: 25mm/F1.2; 50mm/F1.2)
Focusing: Manual
Field of View: 11.1° x 8.3° ; (25mm: 15.4° x 11.6° ; 50mm 7.8° x 5.8°)

IMAGING

Frame Rate: 50Hz
Digital Zoom: 1x – 4x (smooth zoom)
Color Palettes: White hot; Black hot; Red Hot 1; Red Hot 2; Red Hot 3
Scene Modes: Enhanced, Highlight, Forest, Desert, City, Snow and Default (indoor)
Picture-in-Picture: Picture-in-picture enlarged image is displayed on the upper left, upper middle or upper right

FUNCTIONS

WiFi / APP: WiFi share photo and video, also can be controlled by APP (iOS & Android)
Compensation Modes: Auto Compensation / Shutter Compensation / Scene Compensation
Indication Box / Cursor: Red / Yellow / Green; The coordinates of the indication box / cursor are adjustable
Other: Image enhancement; Adjustable brightness and contrast. Auto power-off; Auto sleep; Super power-save. Work indicator can be switched off.

POWER SUPPLY

Battery Type: Internal Li-ion battery (2 x 18650; 6000mAh)
Operating Time: ≥ 5hrs @ 25°C
Adapter: Standard USB Power Adapter 5V DC

INTERFACE

USB: TYPE C (USB 2.0 standard) for charging and data transfer
Video Output: Micro HDMI
External Connection: External connection by a Picatinny rail
Memory Card: 16GB

DISPLAY

Screen: 1280x960; 0.4 inch; Color LCOS Display (viewing seems much larger: 22" screen at 1m)
Eyeiece: Monocular; Exit pupil ≤10mm, adjustable diopter -4 to +2
Magnification: 2.3 to 9.2 (optional: 25mm 1.7 to 6.8; 50mm 3.3 to 13.2)

ENVIRONMENTAL CHARACTERISTICS

Operating Temperature: -10C° - 50C°
Storage Temperature: -30C° - 60C°
IP Protection and Encapsulation: IP66, 1 metre drop test
Certifications: UN38.3 (Battery certificate); RoHS; CE; FCC; EAC

WEIGHT & DIMENSIONS

Weight: 485g; (optional: 470g (25mm); 535g (50mm))
Dimensions: 192mm x 65mm x 71mm (for 35mm and 25mm versions); (optional: 214mm x 65mm x 71mm (50mm))

PACKAGE CONTENTS

Standard: Power adapter, USB cable, micro HDMI cable, lens cover, wrist strap, lining package, quick start guide
Optional: External Picatinny rail; External Screen – contact vendor for further details



Detection	1000 meters
Recognition	500 meters

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

Printed in Canada

Represented by: