

ComNav®



Explorer V1C Low Light Camera System

**Digitally Rate Stabilized
and
Higher Quality Picture**

- Crisp rate stabilized high quality images
- Operates in Extremely Low Light - 0.0004 Lux (DAY / NIGHT Operation); 26 x Optical Zoom / 12 x Digital Zoom
- Multi-Protocol Telemetry Control compatible with Multi-Function Displays (MFD)
- 360 degrees continuous pan and -15~90° tilt with auto flip provides seamless view coverage
- Camera can see easily in extremely low light conditions, switching from colour to monochrome to increase image sensitivity.
- Durable, Rugged lightweight Plastic design with carbon effect center body option; weatherproof to IP66
- Built-in Heater
- Fitted with a high resolution 480TVL CCD
- Flexible mounting configurable via dip switch
- 100 user definable Preset Memory Positions
- Up To 40 Preset positions can be used to form Auto Cruise Function
- High precision positioning / Stable PTZ
- Auto Scan, Cruise, Pattern Scan
- Object Tracking Feature
- Auto (sensitivity: normal / low), one click auto focus, manual, alternative AF, zoom activated AF
- Auto, Auto trace (ATW), indoor, outdoor, one click manual
- Picture Effects: E-Flip, Nega Art, Black & White, Mirror Image
- Compatible with most standard types of Marine Displays
- CE, FCC certified and RoHS compliance
- 2 Year Warranty
- Worldwide Service

EXPLORER V1C

SYSTEM CONFIGURATION & OPTIONS



Easy Navigation

Assists by enhanced visual capability in low light environments, allows for increased manoeuvring when twilight docking, long range distance awareness in low light conditions.



Man Overboard Rescue

Can assist with faster response times in man overboard search and rescue applications.



Security

Helps to identify and track vessels or objects on perimeter security, collision avoidance, vessel and crew protection.



Situational Awareness

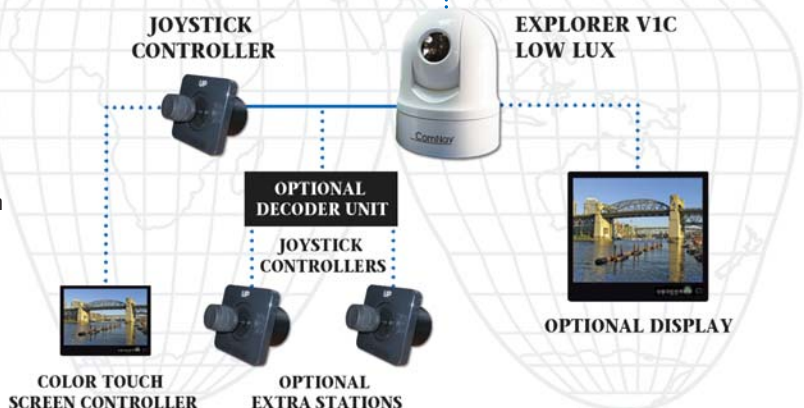
Anti-piracy security tool; allows for comprehensive multi-zone monitoring, long range viewing and greater low light vision.

LOW LIGHT CAMERA:

Detector Type:	1/4" HAD CCD
Image Resolution:	480 TVL
Minimum Illumination:	0.0004 LUX / F1.6
Lens:	F1.6 ~ F3.8 / f = 3.5 ~ 91mm
Field of Pan View:	48° (@1x), 2.3° (@26 x)
Optical Zoom:	26 x (maximum zoom 312 x)
Digital Zoom:	12 x (maximum zoom 312 x)
Minimum working distance:	320mm (Wide) to 1500mm (Tele)

SPECIFICATIONS:

Camera Finish:	White
Operating Voltage:	9 - 15 VDC
Power Consumption:	15 W Max
Operating Temperature:	-25°C to +70°C
Storage Temperature:	-40°C to +85°C
Relative Humidity:	5% ~ 90%
Waterproof:	Sealed to IP66 standards; marine cables & corrosion resistant connectors
Wind Resistance:	100 Knots
Shock Resistance:	Mil-PRF-28800F, Class 2 Section 4.5.5.3.1
Vibration Resistance:	Mil-PRF-28800F, Class 2 Section 4.5.5.4.1
Compliance:	CE, FCC, RoHs



DIMENSIONS:

Camera: 13cm / 5.2 inches in diameter
16cm / 6.3 inches in height
Joystick Keypad:
10cm (4 inches) x 10cm (4 inches)
Weight: camera: 1.2 kg / 2.65 lbs

ADDITIONAL FEATURES:

- Multi-function joystick control
- Picture Effects: E-Flip, Nega Art, Black & White, Mirror Image
- Data: RS485 Serial
- Protocols: Pelco D, Pelco P, DRX502
- Proportional Pan/Tilt speed in accordance with degree of zoom
- Random scan function, preset positioning tour
- Pan / Tilt Speed Pan: 0.05~240°/sec; Tilt: 0.03~160°/sec
- Auto Focusing System (sensitivity: normal / low), one click auto focus, manual, alternative AF, zoom activated AF
- IP Compatibility Via IP Converter
- Image Stabilizer
- Gain Control: Auto / Manual (-3~28db, 2db stepping)
- White Balance Auto, Auto trace (ATW), indoor, outdoor, one click manual
- Video Connection: 1 x BNC 1vP~P/75 Ohm Composite PAL or NTSC



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