



viperfish® Opti IV™

Opti IV™

Key Features & Benefits

- 25x or 50x Optical / 12x Digital Zoom
- Joystick Allows Easy Control of the Camera
- 5.5" High Contrast LCD Display
- Color / NIR Video Imaging Modes
- Solid Cast Aluminum Housing for Harsh Environments
- Built-In Image Stabilization
- Compact and Lightweight
- Nitrogen Filled Lens Eliminates Fogging



Viperfish® Opti IV™ is designed for mobile and static applications. The Opti IV™ is comprised of a pan/tilt/zoom camera in an environmentally tough housing that is controlled by a monitor with a joystick. The monitor provides the ability to control the functions of the camera and display live image stabilized video. By using the IR Illuminator you can pierce the darkness and identify targets.

Listen to what you are seeing by installing the external microphone. Review your recorded events on the MSX - MARINE SPEC XTREME.

This compact lightweight optics system can be mounted on a roof rack and has been tested in wind and rain at up to 100 mph. It is available in either NTSC or PAL format. Possible applications for the Viperfish® Opti IV™ are port protection, mobile patrol, long range and covert surveillance.



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TECHNICAL SPECIFICATIONS

Pan Angle Range	440°	Display Video Format	NTSC or PAL
Tilt Angle Range	240°	Display:	
Pan Speed	.5° to 80° /s	Type	Active TFT - Color
Tilt Speed	.3° to 30° /s	Size	5.5" Viewing
Pan/Tilt Encoder Resolution	.5°	Format	320 x 240
Weight	4.5 Kg	Backlight	250 NIT
Housing Material	Cast Aluminum	Weight	2.2 Kg
Size	18 cm diameter 20 cm tall	Housing Material	Aluminum
Power	11.5 to 30 vdc 500 ma, 2A peak	Size	14 x 22 x 3 cm
Vibration	3grms 3axis Random 5 to 1000 Hz	Power	11.5 to 18 vdc 1.3 AVibration 1 grms 3 axis Random, 5 to 1000 Hz
Temperature	-20° to 70° C	Temperature	0° to 50° C Operational
Mounting	QuickDisconnect™	JoyStick	Pan/Tilt/Zoom Proportionate
Leveling	Mount Adjustment	Pan/Tilt Control:	
Optical Zoom	25 x	JoyStick Speed	Proportionate to Zoom
Digital Zoom	12 x	Electronic Gearing	3 Speed, PushButton
Imaging Modes	Color/Near Infrared	Camera Control:	
TV Lines (NTSC/PAL)	470/460	Imaging Mode	Color/NIR PushButton
PEL Count (NTSC/PAL)	680,000/800,000	Focus	Auto/Manual PushButton
Dynamic Range	49 dB	Zoom	Twist JoyStick
Light Sensitivity	.02 Lux NIR Mode	Image Stability	Toggle On/Off PushButton
Low Light - Long Integration	yes - .25 s	External Connectors:	
AutoFocus	yes	Video	RCA
Image Stabilization	yes	Camera	HiDEF
Rich Exposure Control	yes	Audio (DOJ Optional)	RCA
Time Stamp/Titling in Video	yes	Power	2.5 mm, Locking
Command/Control:			
Transport	RS232 or RS485		
Protocol	Enhanced VISCA™		
Detector Sensor Inputs	2, NO or NC		
Opt. Infrared Camera Core	7-14um, .05°C NETD 320 x 240		
Opt. Illuminator	720nm, 50W, 4° Spot		



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