

Long Range Camera System

Our camera system designed for long range surveillance 24/7 utilized the most advance optical sensors and lenses

Day time, Night, Dark, Fog, Rain, and Smoke

Reduction of Airborne Interference, e. g. Fog, Rain, Sand, Smoke, Snow

Reduction of Heat Haze Image Stabilizer

Thermal Eye with 640x480 resolution utilized Digital Detail Enhancement

Day Camera with EMCCD that provides full-color, full-frame video images even at night.

Extreme Lens with Ultra-Telephoto recognizes 16' objects a mile away.

Amazing long focal length of 1680 mm that captures distant objects.

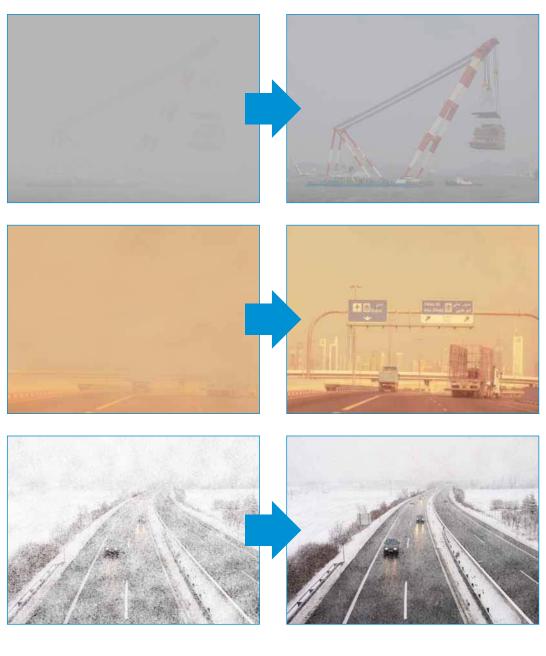
Heavy Duty Stainless Steel Enclosure, Forget rust and salt air corrosion.

Anti- Rust. Anti- Corrosion.

EV3000 using modern technology to reduce the temperature by 20C

Stabilized Pan/Tilt with Video Stabilization

The Day Camera System works in most weather and light conditions Reduces the affect of particles in the air, such as fog, rain, sand, smoke and snow.





The Day Camera works at night, it reduce use of thermal camera

PAN/TILT THERMAL & COLOR CAMERAS

- All Weather Stainless Steel Rugged Housing
 Anti-corrosion, Anti Rust, resist high humidity and salt water.

 Spectial Reflective paint to reduce heat by 15 degree.
- 128 preset positions for perimeter scanning, Tour function
- Pelco-D protocols, can be integrated with any other CCTV system
- Environmentally sealed and dry nitrogen filled
- Image overlay combines thermal and video image

 The EV3000 EMCCD colour night vision camera provides high resolution full colour images from full Sunlight down to quarter Moonlight, and thereafter monochrome images down to Starlight.



- Cooled 3-5 micron InSb detector
- 640x480 Hi resolution 250mm, 500mm, 750mm, 1100mm Lenses

Pan/Tilt resolution

High performance, brushless, maintenance-free step motors provide very precise, extremely effective motion control with preset and 0-360 degree endless rotation

CCTV software with TCP/IP

 Full control of Thermal / Day-Night / Pan/Tilt
 Using standard Protocol Pelco-D

Modes EV3000-D-IR250 EV3000-D-IR-500 EV3000-D-IR750 EV3000-D-IR-1100

Day/Night Camera

- 1/2" High-Resolution EMCCD
- 0.000008 lx
- Lens 12-660mm 55X optical zoom 30-1680mm
- Reproduces full colour, full motion images in starlight conditions

Sensor Platform

- Heavy Duty, Stabilized Pan/Tilt
- Stainless Steel Enclosure,

This product can be used in any marine applications, harsh environment.

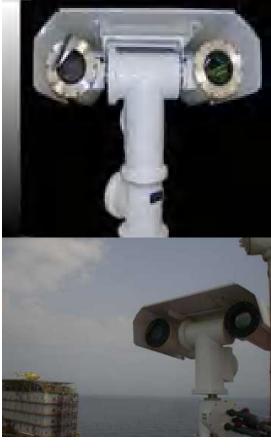
Anti-rust full sealed housing/ and Pan-Tilt.

Great for shore, sea ports or ship due to its material Stainless Steel 316 against corrosion.

Options

- * Digital real time video stabilization
- * Washer 5 or 10 ltr





Stainless Steel
Forget rust and salt air corrosion.
Anti- Rust. Anti- Salt Air. Anti- Corrosion



Thermal camera has 640x480 resolution, and Digital Detail Enhancement (DDE) video optimization algorithms.



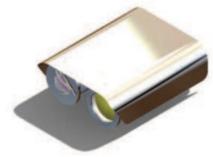
United Vision Solutions
A world without darkness

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FEATURES		EV3000-D-IR-250	
	Detector type Pixel Count (Resolution)	Indium Antimonide (InSb); 640x480 detector , 15µm micron pitch, high-resolution has 4-times the picture clarity of cameras that use medium format 320x240	
	Spectral Response	3 - 5 µm	
Thermal Imaging	Image processing	Digital Detail Enhancement (DDE) On/Standby/Off, Auto & manual Level, manual Gain, Polarity, reticle on/off/select, Non-Uniformity Correction, Change FOV, Focus	
	FOV (H X V)	11.0° x 8.2° (WFOV) to 2.2° x 1.6° (NFOV)	
	Digital Zoom	2X, 4X	
	Focal Length (mm)	50x250mm	
	Sensor	1/2 inch EM-CCD with electron multiplication High sensitivity color / monochrome camera	
Video	Field of View (D x H x V)	40.84° to 0.69° (12-660mm) 15.12° to 0.27° (30-1580mm)	
	Zoom	Optical: 55X 12-660mm/30-1680mm 2.5X on/off	
	Illumination	Minimum illumination 0.000008 lx	
	Azimuth Control	360° continuous	
Pan & Tilt	Elevation Control	± 90 °	
Pan & Hit	Pan & Tilt Slew Rate	0 seconds to 60 seconds	
	Pointing Accuracy	Pan \pm 0.1° / Tilt \pm 0.1°	
Power	Power Source	10 - 28 VDC through supplied 110 /220 VAC power supply	
Environmental	Operating Temperature	-40° C to 55° C	
Characteristics	Environmental Sealing	Fully ruggedized	



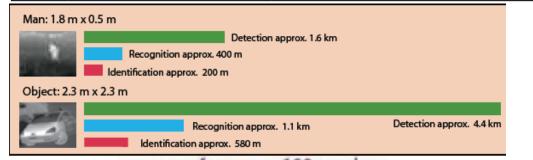




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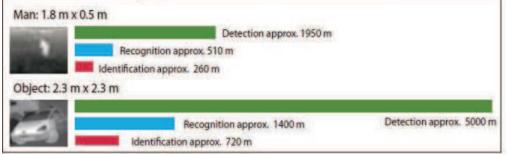


FEATURES		EV3000-D-IR-100	EV3000-D-IR-100H
	Detector type	Focal Plane Array/ uncooled microbolometer	Focal Plane Array/ uncooled microbolometer
	Pixel Count (Resolution)	324 X 256	644 X 512
	Spectral Response	7.5 to	13 μm
Thermal Imaging	Image processing	Automatic Gain Control (AGC), Digital Detail Enhancement (DDE)	
	FOV (H X V)	7° (H) x 5° (V)	
	Digital Zoom	2X, 4X	(100H model)
	Focal Length (mm)	100 mm	
	Sensor	1/2 inch CCD High sensitivity color / monochrome camera or 1/2 inch EMCCD	
	Field of View	40.84° to 0.69° (12-660mm) 15.12° to 0.27° (30-1580mm)	
Video	Zoom	Optical: 55X 12-66	0mm/30-1680mm with 2.5 extender
	Illumination	0.000008 lx	
	Azimuth Control	360° continuous	
Pan & Tilt	Elevation Control	-90 ° +45 °	
	Pan & Tilt Slew Rate	0 seconds to 60 seconds	
	Pointing Accuracy	Pan ± o.1° / Tilt ± 0.1°	
Power	Power Source	10 - 28 VDC through supplied 110 /220 VAC power supply	
Environmental	Operating Temperature	-40	°C to 55°C
Characteristics	Environmental Sealing	Fully ruggedized IP66	



Ev3000-D-IR100



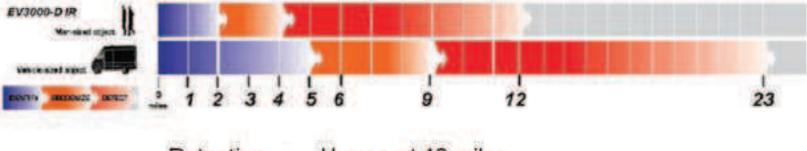


Ev3000-D-IR100H

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FEATURES		EV3000-D-IR-500		
	Detector type Pixel Count (Resolution)	Indium Antimonide (InSb); 640x480 detector , 15µm micron pitch, high-resolution has 4-times the picture clarity of cameras that use medium format 320x240		
	Spectral Response	3 - 5 μm		
Thermal Imaging	Image processing	Digital Detail Enhancement (DDE) On/Standby/Off, Auto & manual Level, manual Gain, Polarity, reticle on/off/select, Non-Uniformity Correction, Change FOV, Focus		
	FOV (H X V)	5.5° x 4.1° (WFOV) to 1.1° x 0.8° (NFOV) Dual Field OD View		
	Digital Zoom	2X, 4X		
	Focal Length (mm)	150x500mm		
	Sensor	1/2 inch EM-CCD with electron multiplication High sensitivity color / monochrome camera		
Video	Field of View (D x H x V)	40.84° to 0.69° (12-660mm) 15.12° to 0.27° (30-1580mm)		
	Zoom	Optical: 55X 12-660mm/30-1680mm 2.5X on/off		
	Illumination	Mnimum illumination 0.000008 lx		
,	Azimuth Control	360° continuous		
Pan & Tilt	Elevation Control	± 90 °		
Pan & Ilit	Pan & Tilt Slew Rate	0 seconds to 60 seconds		
	Pointing Accuracy	Pan ± o.1° / Tilt ± 0.1°		
Power	Power Source	10 - 28 VDC through supplied 110 /220 VAC power supply		
Environmental	Operating Temperature	-40° C to 55° C		
Characteristics	Environmental Sealing	Fully ruggedized		

Resolution 640 x 480 500mm lens



Recognition Human at 12 miles
Truck at 23 miles
Human at 4 miles
Truck at 9 miles
Human at 2 miles
Truck at 5 miles
Truck at 5 miles

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FEATURES		EV3000-D-IR-1100	
	Detector type Pixel Count (Resolution)	Indium Antimonide (InSb); 640x480 detector , 15µm micron pitch, high-resolution has 4-times the picture clarity of cameras that use medium format 320x240	
	Spectral Response	3 - 5 μm	
Thermal Imaging	Image processing	Digital Detail Enhancement (DDE), Digital zoom 2X, 4X On/Standby/Off, Auto & manual Level, manual Gain, Polarity, reticle on/off/select, Non-Uniformity Correction, Change FOV, Focus	
	FOV	6.3° to 0.5°	
	Auto Focus Speed	≤ 3 sec	
	Focal Length (mm)	88-1100mm Continuous Zoom	
	Sensor	1/2 inch EM-CCD with electron multiplication High sensitivity color / monochrome camera	
	Field of View	W23.48° - T0.46° (W17.67° - T0.34°)	
	Zoom	Optical: 55X 15mm-825mm	
Video	Illumination	Minimum illumination 0.000008 lx	
Pan & Tilt	Azimuth Control	360° continuous	
	Elevation Control	± 90 °	
	Pan & Tilt Slew Rate	0 seconds to 60 seconds	
	Pointing Accuracy	Pan ± 0.1° / Tilt ± 0.1°	
Power	Power Source	10 - 28 VDC through supplied 110 /220 VAC power supply	
Environmental	Operating Temperature	-40° C to 55° C	
Characteristics	Environmental Sealing	Fully ruggedized	

88mm x 1100mm Continuous Zoom optics 12.5X, 88mm to 1100mm HFOV range 6.3 degrees to 0.50 degrees One shot Auto-focus ≤3 secs FPA 640x480 pixels, 15 micron pitch Sensitivity MWIR 3.4 to 5 micron Digital zoom 2X and 4X

for more information please visit www.LongRangeCamera.com/ev3000dir.html

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UNITED VISION SOLUTIONS, CO

Detection, Recognition, Identification (DRI)

Detection Recognition Identification

EV3000-D-IR1100

Human DRI



88 x 1,100mm

Continuous Optical Field of View:

0.5(H)°x0.38°(V) to 6.3°(H)x4.7°(V)

Zoom

Resolution: 640x480

Microbolometer; Cooled

~ 11,500 meters (11.5 km)

~ 37,730 feet (7.15 Miles)

~ 55,774 feet (10.56 Miles)

~ 22,700 meters (22.7 km)

~ 74,475 feet (14.10 Miles)

~ 17,000 meters (17 km)



