



# United Vision Solutions

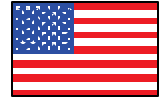


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United Vision Solutions

# HomeLand Security Products & Solutions

- Airports
- Embassies
- Border crossings
- Federal buildings
- Military installations
- Peacekeeping and armament control
- Nuclear facilities
- Courts of law
- Postal stations
- Corporate headquarters
- Banks
- Prisons
- Forensic investigations
- Railway and subway terminals
- Underground parking areas

## Eagle Vision & SkyCam

By

**United Vision Solutions**

tedvis

## EVST-Eagle Vision Stainless Steel

Camera System



Dry-nitrogen  
pressurized housing



Fan/Heater Housing



Camera PTZ



Pan/Tilt Unit



Control Unit



Forming part of the "Eagle Vision Camera" EVST series of fully stainless steel camera housing, and PT units, the EVST stainless steel range has been designed to offer an extremely reliable, robust and high quality surveillance solution for security applications that demand the very best performance, regardless of the installed environment. Precision engineered to exacting standards, the range offers numerous benefits over the use of long range lenses and PTZ cameras with a range of options available to ensure a best-fit solution is achieved.

For ultimate protection, the vandal resistant grade 316 stainless steel camera housing has enhanced corrosion resistant properties to provide the ultimate protection in the harshest of environments, including marine applications where the salt content of the air is especially high and constant exposure can dramatically reduce the life span of traditional camera and lenses units.

Featuring an optically perfect flat viewing window and integrated wiper, the EVST stainless steel range is able to capture razor sharp images in even the most demanding conditions with brushless motor technology ensuring ultra-reliable, whisper quiet operation while groundbreaking resolver technology provides pin-point accuracy and affords the user full PT pan and tilt with speed range 0.1°/sec to 50°/sec.

A choice of true day/night camera modules, offering up to 1500mm optical lens, coupled as option with IR thermal camera for 0 lux surveillance, 24/7 monitoring capability, allows the perfect field of view be achieved every time.

For further information and application examples please visit us at [www.unitedvisionsolutions.com](http://www.unitedvisionsolutions.com)

### Features at a glance

Grade 316 stainless steel construction  
Anti-corrosion stainless steel construction ensures long-life and reliable operation in demanding conditions such as harsh coastal environments  
Custom camera housing and Pant/Tilt which can accommodate most of lenses and camera systems, with PELCO-D protocol.

EVST is perfectly suited for installation in the most unforgiving environments.

### Camera Housing options

Cost Effective Large Housing with Fan/Heater, and sunshield  
Dry-nitrogen pressurized housing encloses the sensor in a sealed chamber.  
EX explosive-proof for offshore, and Oil company applications

### Pan/Tilt options

Cost effective pan/tilt unit with speed 5 °/sec to 90 °/sec  
For long range unit we offer Pan/Tilt with speed 0.1 °/sec to 50°/sec  
Preset positions, FeedBack, and Endless rotations (360°).

### Multi-protocol operation

Compatible with Pelco-D control equipment as Keyboard and Video Matrix.

Power supply : 220/110/24 VAC

**Day Camera Module**

Image sensor	1/2" or 1/3" EXview CCD
Picture elements	380K NTSC / 440K PAL (WIDE)
Horizontal resolution	470TVL NTSC / 460TVL PAL (WIDE)
Filter	Automatic mechanical IR cut filter
Focus system	Auto or manual (lenses up to 2X 600mm has Auto Focus)
Iris	Auto or manual with slow shutter integration modes
Synchronisation	Internal / External (V-Lock)
Recommended illumination	100 to 100,000 lx
Signal/Noise ratio	50dB or more
Back Light Compensation (BLC)	On/Off
White balance	Automatic
Automatic Gain Control (AGC)	-3 to -28 dB, 2dB steps
Aperture control	16 Steps

**optical zoom module**

Lens	2X 88mm 2X160mm 2X300mm 2X500mm 2X750mm
Zoom	from 18 X up to 50X optical
Angle of view	from 57.8° (WIDE end) to 0.7° (TELE end)
Minimum illumination	0.01 lux and .0003 lux with sense-up
Zoom/Focus/IRIS	Motorized Zoom, Focus, and IRIS Auto Focus for lenso 2X 600mm DC motorized IRIS, and Auto Video IRIS

**Thermal Camera Module**

IR sensor	cooled InSb and Uncooled
Picture elements	320X240 or 640x480
Lens	from 50mm up to 1500mm
Spectral Range	3-5 µm or 7-14 µm
Control Operation	AGC, Focus, FOV, On\Off, Video, Polarity, NUC, EI Zoom

**Electrical**

Input voltage	Choice from 115V AC, 230V AC, 24VA (DC for solar power)
Power consumption	480 W max (two cameras system)

**Connectivity**

Video	Co-axial via composite cable
Telemetry	Twisted pair. Simplex, half and full duplex operation via composite cable
Power	Via composite cable

**Mechanical**

Drive unit	Integral pan/tilt motor drive
Pan angle	0-350° (continuous rotation is option)
Pan speed	0.1° to 50° per second
Tilt angle	-70° to +25°
Tilt speed	0.1° to 25° per second
Speed control	Closed loop electronics
Preset accuracy	Better than 0.08°
FeedBack	Option

**Physical**

Construction material	Grade 316 stainless steel
Viewing window	Tempered flat glass
Standard colours	Stainless steel (no colour options)
Standard finish	Stainless steel (no finish options)
Dimensions	Different Sizes Available
Weight	16.5 to 60Kg

**Environmental**

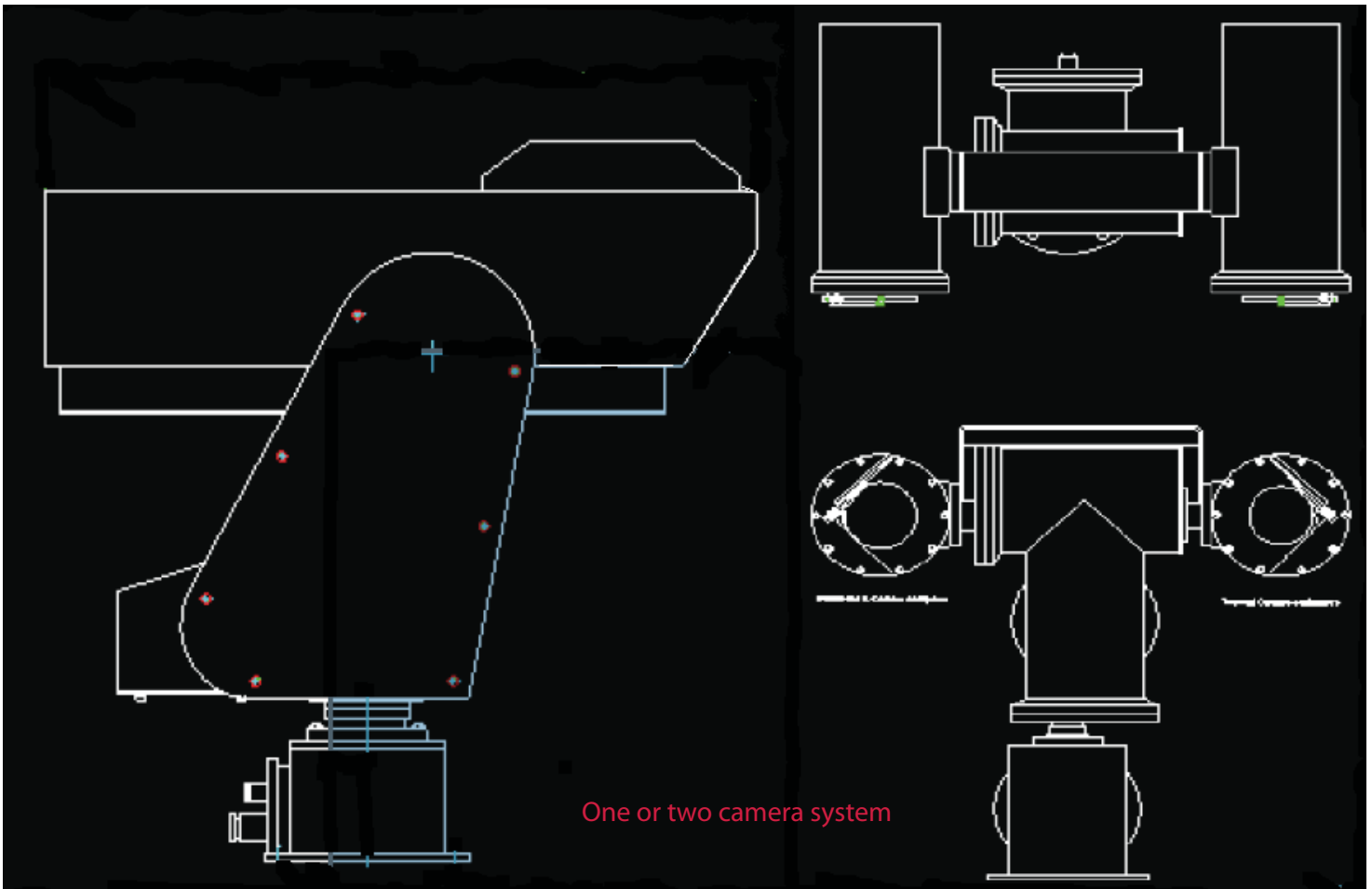
Operational temperature	-25°C to +50°C
Weather proofing	IP65

**Communication & Protocols**

Communication	RS485 / RS422 or TCP/IP
Control protocol	Pelco-D protocol

**Available Options**

Camera module	IR camera cooled, uncooled, and day camera
Camera colour system	NTSC or PAL
Installed protocol	Pelco-D protocol
Telemetry control interface	RS422 or TCP/IP
Window wiper	Optional, factory fit
Washer	Optional, factory fit
Water tank	Optional, 10 ltrs or 25 ltrs
Heater	Optional, factory fit
Mounting	Custom kits for pole, tower, and side building
Cabling	Composite cable, UTP, or Fiber Optics



One or two camera system

# Eagle Vision

## EVSKYCAM

UAV and Helicopter Aerial Video Systems

with wireless camera downlink



Forming part of the "Eagle Vision Camera" EVSKYCAM series of fully UAV and Copter camera system. The EVSKYCAM series range has been designed to offer an extremely reliable, robust and high quality surveillance solution for security applications that demand the very best performance, regardless of the installed environment. Precision engineered to exacting standards, the range offers numerous benefits over the use of long range lenses and PTZ cameras with a range of options available to ensure a best-fit solution is achieved.

For ultimate protection, the vandal resistant camera housing has enhanced corrosion resistant properties to provide the ultimate protection in the harshest of environments, including marine applications where the salt content of the air is especially high and constant exposure can dramatically reduce the life span of traditional camera and lenses units.

Featuring an optically perfect flat viewing window the EVSKYCAM range is able to capture razor sharp images in even the most demanding conditions with brushless motor technology ensuring ultra-reliable, whisper quiet operation while groundbreaking resolver technology provides pin-point accuracy and affords the user full PT pan and tilt with speed range 1°/sec to 50°/sec .

A choice of true day/night camera modules, offering up to 600mm optical lens, coupled as option with IR thermal camera for 0 lux surveillance, 24/7 monitoring capability, allows the perfect field of view be achieved every time.

For further information and application examples please visit us at [www.unitedvisionsolutions.com](http://www.unitedvisionsolutions.com)

### Features at a glance

Gyro-Stabilization with full Pan/Tilt/Zoom

Anti-corrosion construction ensures long-life and reliable operation in demanding conditions such as harsh coastal environments

Custom camera housing and Pant/Tilt which can accommodate most of lenses and camera systems, with PELCO-D protocol.

EVSKYCAM is perfectly suited for installation in the most UAV and helicopters.

### Camera options

One camera housing Day or IR, two cameras housing for day and IR.

### Pan/Tilt options

Cost effective pan/tilt unit with speed 5 °/sec to 90 °/sec

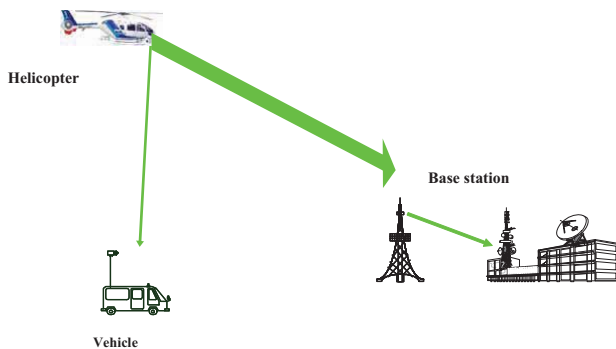
For long range unit we offer Pan/Tilt with speed 0.1 °/sec to 50°/sec

Preset positions, FeedBack, and Endless rotations (360°).

### Wireless Options

**Air-TO Ground wireless Video system up to 50 km**

Power supply : 12 VDC /24 VAC

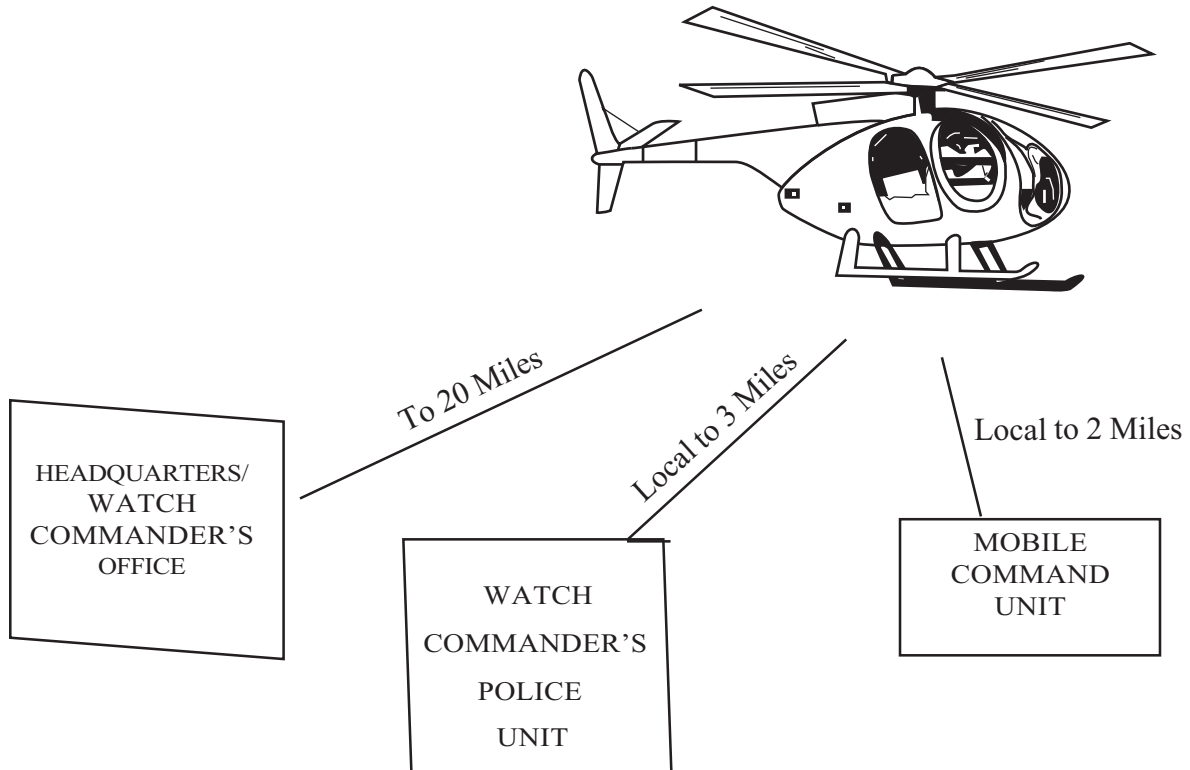


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# Eagle Vision Long Range VidLink

## VIDEO MICROWAVE SYSTEM



### Features:

- Complete Integrated Systems
- 12Vdc Operation
- FCC Approved Equipment
- Auto Tracking Systems
- Color or B/W Cameras
- Excellent Range

### Applications:

- Surveillance
- Fire Tracking Operations
- High Speed Chases
- Drug Enforcement

### Specifications:

- Refer to individual data sheets

### Description:

Our helicopter video down link systems come in many configurations and can be custom-made to fit your application.

The new low cost mobile receiver is ideal for police car applications along with our new police car antenna.

Helicopter video down link tracking is also available for long range unit is great for working in 10 to 20 mile radius's.

A variety of receivers maybe designed into our standard portable kits with recorders and antenna configurations.

We can provide a wide range of portable antennas in several sizes and gain ranges.