

# Accuracii ML



## DUAL CHANNEL THERMAL & CCD CAMERA SYSTEM



Accuracii ML is a powerful day and night, multi-sensor observation system especially developed for security applications. It allows mid-range detection and observation using state-of-the-art  $17\mu$  640 x 480 thermal technology.

Vumii's Accuracii ML features either a 15-100mm Continuous Zoom head or a 45/135mm Dual Field of View head for day and night operation and a 1/4" color CCD camera for daytime operation. Available in analog or IP configurations.

Accuracii ML is ideal for both the detection and assessment of security threats. Accuracii ML is ruggedized to withstand the harshest weather and environmental conditions, including rain, direct sunlight, high humidity and dust.

## FEATURES

### KEY BENEFITS

- **High Quality**  
Superb 24/7 night and day thermal imaging.
- **Innovative Features**  
Unique image processing and enhanced contrast for video analytics systems including Vumii's innovative fire Detection.
- **Advanced Optics**  
Continuous zoom and dual field of view, motorized, and autofocus lenses.
- **Rugged Design**  
Designed and certified to IP66, hot, cold, dusty, and other harsh environments.
- **Easy Installation**  
Serial or TCP/IP configurations. Pelco D and ONVIF Profile S Compliant (TCP/IP only).

### AVAILABLE CONFIGURATIONS

#### Thermal

##### Imager

- 640 x 480  $17\mu$

##### Additional Options:

- Laser Range Finder
- Thermal Image Stabilizer
- Fire Detection
- GPS
- Sunshield
- Analog or TCP/IP

#### Visible

##### Imager

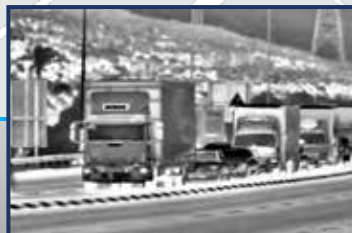
- 1/4" Color CCD Camera
- Continuous Zoom Optics
- 3.4-122.4mm
- Image Stabilization
- Infrared Cutoff Filter Removal

##### Video Output

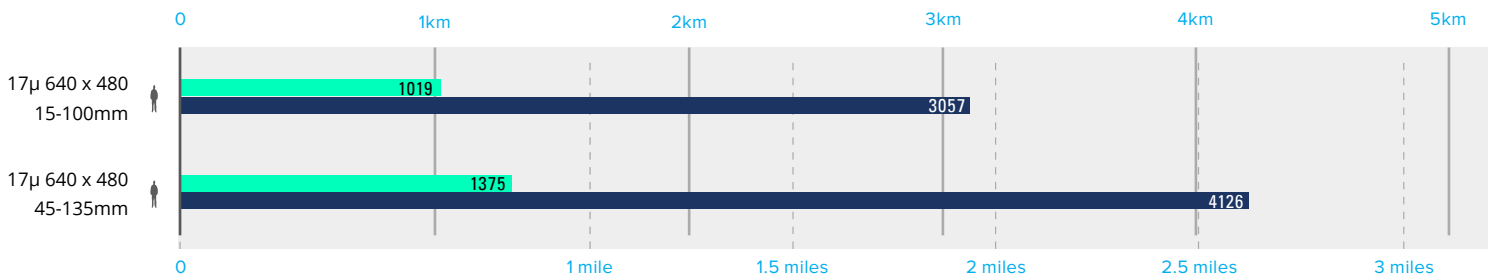
- PAL or NTSC


##### Video Streaming (TCP/IP):

- Multiple, configurable streams in H.264 and MJPEG



# Accuracii ML Camera Performance



 = Human Subject  
Size 1.8m x 0.6m

**Recognition** 6 lines on subject  
**Detection** 2 lines on subject

\* Performance dependent on atmospheric conditions

Imaging Characteristics	Thermal Channel		Day Channel
Imager Type	Uncooled Microbolometer 7.5-14µ		1/4" Color CCD
Resolution	640x480 17µ		752x582 (PAL) 768x494 (NTSC)
NETD	NETD: <50°mK		
Video Output	RS-170 (30Hz) / CCIR (25Hz), 1.0V p-p, 75ohm		NTSC (30Hz) / PAL (25Hz)
Lens Options	Continuous Zoom 15-100mm	Dual Field of View 45/135mm	Continuous Zoom 3.4-122.4mm (36x)
Horizontal Field of View	17µ: 640 x 480: 42.2° - 6.2°	17µ: 640 x 480: 14.3° / 4.6°	57.8° - 1.7°
Electro-Mechanical Characteristics	Serial		TCP/IP
Unit Dimensions	10.6" (h) x 21.4" (w) x 9.4" (d) 269mm (h) x 542mm (w) x 237 mm (d)		17.9" (h) x 21.4" (w) x 9.4" (d) 455mm (h) x 542mm (w) x 237mm (d)
Unit Weight	20kg (44lbs)		
Environmental Rating	IP66		
Certifications	CE, FCC		
Power Input	24VDC		
Power Consumption	30w typical; 350w max		
Operating Temperature	-40° to +60°C (-40° to +140°F)		
Control Characteristics			
Communication Protocol	Pelco D, ONVIF Profile S (TCP/IP only), Vumii		
Control Connection	Serial: RS422/RS485 (4-wire) or TCP/IP		
Control Type	Serial or TCP/IP		
PTZ Characteristics			
Accuracy	+/- 1.5 mRad or +/- 2.5 mRad (refer to System Specification)		
Pan Range	360° Continuous		
Tilt Range	-90° to +90°		
Pan Speed	Variable Speed, 0 - 50°/sec max		

\* Some countries may be subject to thermal camera export licensing requirements.