

LONG RANGE LED ILLUMINATION CAMERA



Claritii is the latest outdoor perimeter and border protection enhanced imaging solution. Leveraging Vumii's "focused-beam array" LED technology combined with an optimized imager, optics, and pan-tilt platform, Claritii systems provide daytime color video, high sensitivity nighttime monochrome video, autofocus, high zoom magnification, natural contrasts, and long range surveillance in daylight (5,000+ meters) or zero light (600+ meters). Claritii delivers highly detailed 24/7 imaging, night or day that allows security personnel to dramatically extend perimeter surveillance capabilities.

KEY BENEFITS

Zero Light Imaging and High Performance Color

Surveillance performance up to 600m in zero light nighttime conditions and color day performance to 5km

Long Range Optics with Autofocus

Continuous zoom with Autofocus provides Threat Assessment capabilities at more than 5000+ meters (day) and 600m (night)

Vibrant Color Day and High Contrast Details at Night

Natural Contrast Video, sees through glass, identifies text, and allows for nighttime threat assessment

Robust Positioning

Precise 360° continuous pan/tilt platform

Simple Installation

Pelco D protocol, common industry mounting options, serial or IP communication

AVAILABLE CONFIGURATIONS

Claritii comes standard with a color day camera using a 3.4 - 122mm lens and a near-IR night optimized CCD camera with an 8.6 - 154mm lens. Both lenses utilize autofocus for crisp clear imaging.

APPLICATIONS

- Critical Infrastructure
- Public Safety
- Border Protection
- Nuclear Facility
- Transportation
- Petrochemical
- Port Security
- Airports



600m Day



150m Night



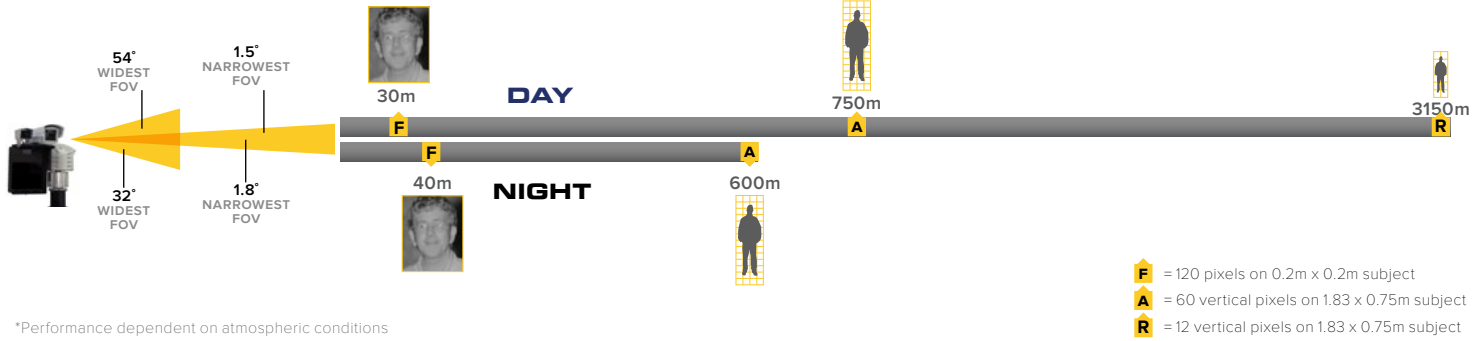
375m Night



1000m Day

F = FACIAL IDENTIFICATION **A** = HUMAN THREAT ASSESSMENT
 = LEVEL OF DETAIL **D** = HUMAN THREAT RECOGNITION

Claritii 600



*Performance dependent on atmospheric conditions

Claritii™ 600 Specifications

Imaging Characteristics	Claritii™
Imager Type	Color (day), High Sensitivity Greyscale (night) CCD
Effective Pixels	752 x 582 (NTSC) / 768 x 492 (PAL)
Resolution	550 HTVL (day) / 570 HTVL (night)
Lens	3.4 - 122.4mm (day), 8.6 - 154mm (night)
Video Output	RS-170/CCIR Analog, 1.0V p-p, 75ohm
Horizontal Field of View	54° to 1.5° (day) / 32° - 1.8° (night)
IR Illumination Source	Focused LED Beam Array
Illumination Beam Width	6°
Illumination Power	25w max output

Electro-Mechanical Characteristics	Claritii™
Head Unit Dimensions	20.9" (h) x 18.9" (w) x 23.3" (d) 531mm (h) x 479mm (w) x 592mm (d)
Head Unit Weight	53.4lbs (24.2kg)
Environmental Rating	IP66; 93% RH Humidity
Power Input	24VDC (115/230VAC with optional Electronics Unit)
Power Consumption	230w max
Operating Temperature	-27° to +131° F (-33° to +55° C)
Compatible Mounts	Wall Mount: 810181 Pole Mount: 810180 (with 810181)

Control Characteristics	Claritii™
Communication Protocol	Pelco-D, Vumii
Control Connection	RS-422/485 Serial
Control Features	Zoom, AutoFocus, Illumination on/off
Software	Compatible with Vumii Sensorii and Pelco-D applications

PTZ Characteristics	Claritii™
Pan Range	360° continuous
Tilt Range	-90° to +90°
Pan Speed	Variable Speed, 0-100%/sec max

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