

	Discoverii Day/Night Laser Illumination Product Portfolio Technical Specifications						Ruggedized Options
	Discoverii 1000		Discoverii 2000		Discoverii 3000		
Optics Performance	Day	Night	Day	Night	Day	Night	Available for all models
Human Detection:	3000 meters	1500 meters	6000 meters	2000 meters	10,000 meters	3000 meters	
Human Recognition:	750 meters	750 meters	1250 meters	1250 meters	2500 meters	2500 meters	
Human Identification:	180 meters	180 meters	400 meters	400 meters	1000 meters	1000 meters	
1.8 meter human filling 10% of screen	940 meters	940 meters	1265 meters 2530 meters**	1265 meters 2530 meters**	5158 meters 10,315 meters**	3000+ meters 3000+ meters**	
1.8 meter human filling 15% of screen	625 meters	625 meters	843 meters 1687 meters**	843 meters 1687 meters**	3438 meters 6877 meters**	3000+ meters 3000+ meters**	
1.8 meter human filling 20% of screen	469 meters	469 meters	633 meters 1265 meters**	633 meters 1265 meters**	2579 meters 5158 meters**	2579 meters 3000+ meters**	
1.8 meter human filling 30% of screen	314 meters	314 meters	421 meters 843 meters**	421 meters 843 meters**	1720 meters 3440 meters**	1720 meters 3000+ meters**	
Camera and Lens	Day	Night	Day	Night	Day	Night	
Imager	1/4" CCD	1/4" CCD	1/3" CCD	1/3" CCD	1/3" CCD	1/3" CCD	
Number of effective pixels	768 x 496 (NTSC)	768 x 496 (NTSC)	768 x 496 (NTSC) 752 x 582 (PAL)	582 x 752 (EIA) 492 x 768 (CCIR)	768 x 496 (NTSC) 752 x 582 (PAL)	582 x 752 (EIA) 492 x 768 (CCIR)	
S/N ratio	50 dB	50 dB	50 dB	48 dB	50 dB	48 dB	
Horizontal Resolution, TV lines	480 TVL lines	480 TV lines	450 TV lines	570 TV lines	450 TV lines	570 TV lines	
Imager Horizontal Angle of view	55° (Wide) to 2.2° (Narrow)	6° (Wide) to .6° (Narrow)	11.8° (Wide) to 0.54° (Narrow)**	6° (Wide) to .6° (Narrow)	21° (Wide) to 0.18° (Narrow)**	4° (Wide) to 0.4° (Narrow)**	
Continuous optical zoom	26x 3.5 mm - 91 mm	26x 3.5 mm - 91 mm	22x 11.5mm - 253mm 23 mm - 506	22x 11.5mm - 253mm 23 mm - 506	60x 12.5mm - 750mm 25mm - 1500mm**	60x 12.5mm - 750mm 25mm - 1500mm**	
Iris Range	F1.6 to F3.8	F1.6 to F3.8	F1.6 to F2000 OR F3.2 to F4000**	F1.6 to F2000 OR F3.2 to F4000**	F3.8 to F3000 OR F7.6 to F6000**	F3.8 to F3000 OR F7.6 to F6000**	
Video Output	1.0Vp-p, 75ohm						
Pan-Tilt	All Models						All Models
Payload Capacity	Discoverii 1000: up to 25 lbs, Discoverii 2000/3000: up to 70 pounds						Up to 90 lbs.
Pan speed	.0064 degrees per second to 100 degrees per second						same
PT precision	.0064 degrees with microstep						same
Max tilt speed	50 degrees per second						same
Pan Limits	360 degrees of total coverage						same
Tilt Range	-30 degrees to +90 degrees from upright (120 degrees range)						same
Duty Cycle	Up to 100% duty cycle, or 3-5 million cycles						same
Speed Variability	On-the-fly speed and position changes						same
Package/Environment	All Models						All Models
Head Unit Size	Discoverii 1000: 14" H x 27.5" W x 24" D, Discoverii 2000/3000: 18" H x 36" W x 27.5" D						same
Electronics Unit Size	18.92" H x 22.4" W x 10.2" D						same
Weight	Discoverii 1000: 27 lbs., Discoverii 2000: 35 lbs., Discoverii 3000: 41 lbs., Electronics Unit: 35 lbs. for all models						addl. 10 lbs
Environment Rating	IP65 (6 = Totally protected against dust, 5 = Protected against low pressure jets if water from all directions)						IP66 relative humidity - non-condensing 5% to 95%
Power	115/230 VAC, up to 410W (50W with extended heaters)						~500W
Operating Temp.	Day: -20° C to +50° C; Night: -20° C to +40° C (see extended temperature options below)						-20° C to +70°
Communications	All Models						All Models
Video Connection	Analog video or IP video						same
Control Connection	RS422 serial cable or Ethernet						same
Control Protocols	Pelco-D, ICD-100, American Dynamics or SDK available to connect directly to the Vumii application programming interface						same
Additional Options	All Models						All Models
Wash/Wipe	Washer pump and Wiper kit for head unit enclosures						N/A
Stabilization	Hardware/software module for video stabilization						same
Thermal	Integrated uncooled or cooled thermal wide-view channel						N/A
Radar	Drivers available for integrating to several compatible radar systems						same
Light/Sound	Integrated directional light or sound annunciator						N/A