

DIGICAM[®]

SPECIFICATIONS 60 Megapixel

Sensor Size	60 Megapixel, 40.248 x 53.736 mm
Pixel Size	6.0 μm
Image Size	8956 x 6708 pixels
Maximum Frame Rate	1.6 sec
Storage Units with SSD or HDD	Storage Units for 2900 images (250 GB)

SPECIFICATIONS 50 Megapixel

Sensor Size	50 Megapixel, 36.792 x 49.056 mm
Pixel Size	6.0 μm
Image Size	8176 x 6132 pixels
Maximum Frame Rate	1.6 sec
Storage Units with SSD or HDD	Storage Units for 3480 images (250 GB)

SPECIFICATIONS 39 Megapixel

Sensor Size	39 Megapixel, 36.8016 x 49.0688 mm
Pixel Size	6.8 μm
Image Size	7216 x 5412 pixels
Maximum Frame Rate	1.9 sec
Storage Units with SSD or HDD	Storage Units for 4400 images (250 GB)

RADIOMETRY

Color Mode	Resulting color	blue	green	red
	Wavelength (nm)	400-540	480-600	580-660
CIR Mode	Resulting color	blue	green	red
	Wavelength (nm)	500-620	580-800	800-1000

SPECIFICATIONS CAMERA BODY

Camera dimensions (mm):	
Length (l)	101
Width (w)	131
Height of camera body (h2)	92
Height including digital back (h3)	118
Weight (kg)	1.72



DigiCAM® - Specifications

SPECIFICATIONS		
Filter Array	Interchangeable Color (RGB) or Color-Infrared (CIR)	
Shutter	Electronically controlled leaf shutter	
Shutter Speed Options	1/800 to 1/125 sec	
Analog to Digital Conversion	16 bit	
Lenses	28, 35, 50, 80, 100, 150, 210 or 300 mm	
Image Data Formats	TIFF, JPEG, DNG (optionally 8 or 16 bit)	
Maximum Aperture	2.2 (@ 100 mm)	
Maximum Operating Altitude	No limits with SSD; 3000 m with HDD	
Physical Dimensions (mm)	DigiControl with Storage Unit	65w x 140h x 200d
	8" TFT touch-screen	212w x 162h x 36d
Weight of System (kg)	Camera body	1.7
	Lens (approximately)	1.0
	DigiControl with Storage Unit	1.9
	8" TFT touch-screen	0.9
Power Consumption at Full Performance	Camera	15W @ 20 ... 30 VDC
	DigiControl	30W @ 20 ... 30 VDC
	8" TFT touch-screen	15W @ 20 ... 30 VDC

SPECIFICATIONS LENSES									
Lens dimensions (mm):									
Focal Length	28	35	50	80	100	150	210	300	
Length (h1)	102	124	116	70	80.5	124	165	198	
Diameter (d)	100	100	85	84	87.5	86	85	100	
Weight (kg)	0.850	0.975	0.975	0.475	0.78	0.97	1.32	2.12	
Maximum aperture	4	3.5	3.5	2.8	2.2	3.2	4	4.5	

FOV 60 Megapixel									
Focal Length	28	35	50	80	100	150	210	300	
FOV (degree), cross-track	86°	74°	56°	36°	30°	20°	15°	10°	
FOV (degree)	70°	59°	44°	27°	23°	15°	11°	8°	
Lens distortion	Remaining distortion less than 0.002 nm								

FOV 50 & 39 Megapixel									
Focal Length	28	35	50	80	100	150	210	300	
FOV (degree), cross-track	81°	69°	52°	33°	28°	19°	13°	9°	
FOV (degree)	65°	54°	40°	25°	21°	14°	10°	7°	
Lens distortion	Remaining distortion less than 0.002 nm								