

# DIGICAM<sup>®</sup>



IGI's DigiCAM is a result of the company's passion for airborne developments. DigiCAM is an aerial digital camera system in medium format, providing professional photogrammetry.

DigiCAM can be combined with IGI's products CCNS-5 and AEROcontrol in order to get access to a complete solution for generating directly georeferenced images on a planned mission.

## Highlights

- Up to 100 MP resolution, RGB or NIR
- 0.6 sec frame rate, high shutter speed up to 1/2500 sec
- FMC - Forward Motion Compensation
- High Dynamic Range >84dB
- Phase One or Hasselblad Camera Head
- Channels: RGBI, RGB, CIR, NIR (IGI Dual-DigiCAM)
- IGI SMU-2 (Sensor Management Unit)
- Up to 4TB hot-swap Storage Units with RAID Backup Technology
- Integrated Sensor Management (IGIvisu)
- Integrated GNSS/IMU System (AEROcontrol)
- Integrated Mission Planning & Flight Guidance (CCNS-5 with IGIplan)
- 10" or 20" Operator Touch-Screen
- Upgradeable to multi DigiCAM systems e.g. IGI Quattro-DigiCAM or IGI UrbanMapper
- Support for custom installations for nadir and oblique views

# IGI DigiCAM® - Specifications

## SPECIFICATIONS IGI DigiCAM-100

Image Size*	11,608 x 8,708 pixels, 100 MP
Channels	RGBI, RGB, CIR, NIR with interchangeable filters
Sensor Technology	CMOS
Pixel Size	4.6 µm
Maximum Frame Rate	0.6 sec
Dynamic Range	> 84 dB
Compensation	FMC by BCM
SSD Hot-plug Storage Units with RAID technology	Storage Units for >38,000 images (512 GB / 1 .. 4 TB)
*Customized solutions based on 50 Mpixel digital backs are available on request	

## SPECIFICATIONS IGI DigiCAM-80

Image Size*	10,328 x 7,760 pixels, 80 MP
Channels	RGB
Sensor Technology	CCD
Pixel Size	5.2 µm
Maximum Frame Rate	1.25 sec
Dynamic Range	> 72 dB
Compensation	FMC by TDI
SSD Hot-plug Storage Units with RAID technology	Storage Units for >45,000 images (512 GB / 1 .. 4 TB)
*Customized solutions based on 60 Mpixel digital backs are available on request	

## SPECIFICATIONS IGI DigiCAM

Shutter	Electronically controlled leaf shutter, up to 1/2500 sec	
Analog to Digital Conversion	16 bit	
Lenses	40, 50, 70, 90 mm Rodenstock, 28, 110, 150, 240 mm Schneider-Kreuznach	
Maximum Operating Altitude	No limit	
Physical Dimensions	<i>IGI DigiCAM</i> suitable for CSM-130 or similar with <i>AEROcontrol Precise Leveling</i>	
	Camera Head with 50 mm Lens	97.4w x 93h x 177d mm 3.8w x 3.7h x 6.7d inches
	<i>IGI DigiControl</i> with Storage Unit	65w x 140h x 200d mm 2.56w x 5.5h x 7.87d inches
	10" Operator Touch-Screen 20" Operator Touch-Screen	240w x 184h x 41d mm 9.4w x 7.2h x 1.6 inches 475 mm x 334 mm x 12.5 mm 18.7 x 13.15 x 0.5 inches
System Weight	Camera Head with 50 mm Lens	1.7 kg (3.8 lbs)
	<i>IGI DigiControl</i> with Storage Unit	1.9 kg (4.1 lbs)
	10" Operator Touch-Screen 20" Operator Touch-Screen	1.2 kg (2.7 lbs) 2.4 kg (5.3 lbs)
	Cabeling, Antenna, etc.	0.5 kg (1.1 lbs)
Power Consumption	Camera Head	12W @ 28 VDC
	<i>IGI DigiControl</i> with Storage Unit	30W @ 28 VDC
	10" Operator Touch-Screen 20" Operator Touch-Screen	22W @ 28 VDC 80W @ 28 VDC



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