

DIGICAM-100™



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

The *DigiCAM* combined with *CCNS-5* and *AEROcontrol* provide the complete solution for generating directly georeferenced images on a planned mission.

Highlights

- Up to 100 MP resolution, RGB or NIR
- Up to 0.4 sec frame rate, high shutter speed up to 1/2500 sec
- FMC by BCM
- High Dynamic Range 83dB
- Phase One Camera Head with BSI CMOS Sensor Technology
- Channels: RGBI, RGB, CIR, NIR (*IGI Dual-DigiCAM*)
- *IGI SMU-2 (Sensor Management Unit)*
- Up to 4TB hot-swap Storage Units with IGI RAID Technology
- Integrated Sensor Management (*IGI visu*)
- Geo-referenced previews of the imagery during flight for online quality control (*IGI FRAMEtrack*)
- 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 Penta-DigiCAM* or *IGI UrbanMapper*
- Support for custom installations for nadir and oblique views

IGI DigiCAM® - Specifications

SPECIFICATIONS IGI DigiCAM-100-RS	
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	0.5 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)
Lenses	32, 40, 50, 70, 90 mm Rodenstock, 110, 150 mm Schneider-Kreuznach

SPECIFICATIONS IGI DigiCAM-100	
Image Size	11,664 x 8,750 pixels, 100 MP (also available with 50 MP)
Channels	RGBI, RGB, CIR, NIR with interchangeable filters
Sensor Technology	BSI-CMOS
Pixel Size	3.76 µm
Maximum Frame Rate	0.4 sec
Dynamic Range	83 dB
Compensation	FMC by BCM
SSD Hot-plug Storage Units with RAID technology	Storage Units for >38,000 images (512 GB / 1 .. 4 TB)
Lenses	35, 80, 150 mm PhaseOne (Optional: Automatic Focus)

SPECIFICATIONS IGI DigiCAM		
Shutter	Electronically controlled leaf shutter, up to 1/2500 sec	
Analog to Digital Conversion	16 bit	
Maximum Operating Altitude	No limit	
System Weight	DigiCAM-100-RS Camera Head with 50 mm Lens	1.8 kg (4.0 lbs)
	DigiCAM-100 Camera Head with 80 mm Lens	1.1 kg (2.4 lbs)
	IGI DigiControl 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	DigiCAM-100 RS Camera Head	16W @ 30 VDC
	DigiCAM-100 Camera Head	14W @ 30 VDC
	IGI DigiControl with Storage Unit	30W @ 28 VDC
	10" Operator Touch-Screen 20" Operator Touch-Screen	22W @ 28 VDC 80W @ 28 VDC



+49 (0)2732 5525-0



info@igi-systems.com



+49 (0)2732 5525-25



www.igi-systems.com

IGI mbH

Langenauer Str. 46
57223 Kreuztal
Germany