

DigiCAM-150

Medium Format Aerial Camera



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* provides the complete solution for generating directly georeferenced images on a planned mission.

Highlights

- 150 MP resolution, RGB or NIR
- Up to 0.6 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 SMU-2 (Sensor Management Unit)*
- Up to 4TB hot-swap Storage Units with *IGI Redundant Storage Technology*
- Integrated Sensor Management (*IGIvisu*)
- *IGI FRAMEtrack*: real-time, geo-referenced imagery previews during the flight
- *IGI IPS*: Image Processing Software with export to standard formats
- 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 and combinations with *IGI LiteMapper*, Airborne LiDAR Systems

SPECIFICATIONS IGI DigiCAM-150	
Image Size*	14,204 x 10,652 pixels, 150 MP
Channels	RGBI, RGB, CIR, NIR
Sensor Technology	BSI (Back Side Illuminated) CMOS
Pixel Size	3.76 µm
Maximum Frame Rate	0.6 sec
Dynamic Range	83 dB
Compensation	FMC by BCM
SSD Hot-plug Storage Units with IGI Redundant Storage Technology	Storage Units for >27,000 images (4, 2, 1, 0.5 TB)
Lenses	32, 40, 50, 70, 90mm Rodenstock, 110, 150, 180, 300mm Schneider-Kreuznach

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	Camera Head with 50 mm Lens	1.8 kg (4.0 lbs)
	Camera Head with 90 mm Lens	2.1 kg (4.7 lbs)
	Camera Head with 110 mm Lens	1.6 kg (3.5 lbs)
	IGI DigiControl with Storage Unit	1.9 kg (4.1 lbs)
	10" Operator Touch-Screen	1.2 kg (2.7 lbs)
	20" Operator Touch-Screen	2.4 kg (5.3 lbs)
	Cabeling, Antenna, etc.	0.5 kg (1.1 lbs)
Power Consumption	Camera Head	12W @ 28 VDC
	IGI DigiControl with Storage Unit	30W @ 28 VDC
	10" Operator Touch-Screen	22W @ 28 VDC
	20" Operator Touch-Screen	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