

DIGICAM-150™



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 150 MP resolution, RGB or NIR
- Up to 0.5 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 (*IGIvisu*)
- 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-150 | |
|---|--|
| Image Size* | 14,204 x 10,652 pixels, 150 MP |
| Channels | RGBI, RGB, CIR, NIR with interchangeable filters |
| Sensor Technology | BSI (Back Side Illuminated) CMOS |
| Pixel Size | 3.76 µm |
| Maximum Frame Rate | 0.5 sec |
| Dynamic Range | 83 dB |
| Compensation | FMC by BCM |
| SSD Hot-plug Storage Units with IGI RAID Technology | Storage Units for >45,000 images (512 GB / 1 .. 4 TB) |
| Lenses | 40, 50, 70, 90 mm Rodenstock, 110, 150 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