

# Dual DigiCAM®

## Modular Medium Format Aerial Camera

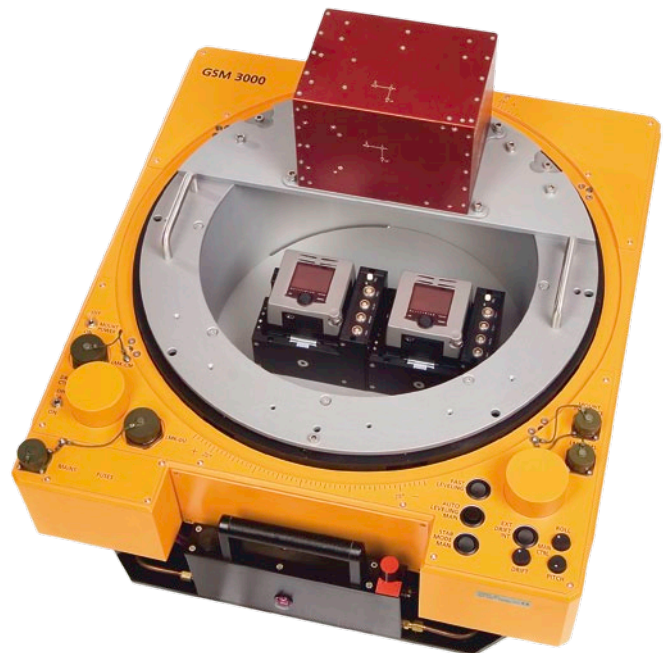
Based on the *DigiCAM*, the *Dual DigiCAM* features the same high geometric accuracy, broad dynamic range and full metric capabilities at a larger format. With an overall resolution of up to 118 megapixel, the system offers the highest resolution on the market for medium aerial cameras.

Being part of IGI's Modular System Concept parts of the system can be used in different compatible systems such as *DigiTHERM* and *LiteMapper*. As a special feature the system can be converted to a *Dual DigiCAM Oblique*.

### Complete Solution:

IGI offers a complete solution for a modern digital aerial camera system. Components are:

- Mission Planning Software  
*IGIplan*
- Aircraft Guidance & Sensor Management  
*CCNS4*
- GPS/IMU System for direct georeferencing  
*AEROcontrol* with *AEROoffice*
- Postprocessing Software  
Support of common photogrammetric software packages



### Highlights

- Modular Medium Format Camera
- 118, 98 or 76 megapixel resolution
- Focal length 80, 100 or 150 mm
- Compatible with all common stabilized Mounts e.g. GSM3000, PAV-80 or Z/I Mount
- Frame rate up to 1.6 sec
- GSD of 6.0 cm at 1000 m altitude (118 megapixels, 100 mm focal length)
- Hot swap storage unit for unlimited flying time
- Online flight information for image preview, histogram, GSD and remaining images
- Adjustments of aperture, shutter speed and ISO values are possible during operation
- Rugged, compact and lightweight design
- RGB or CIR images possible

## Dual DigiCAM® - Specifications

### SPECIFICATIONS 118 Megapixel

Sensor Size	118 Megapixel, 17,496 x 6,716 pixel
Pixel Size	6.0 µm
Maximum Frame Rate	1.6 sec
Storage Units with SSD or HDD	Storage Units for 2900 images (500 GB)

### SPECIFICATIONS 98 Megapixel

Sensor Size	98 Megapixel, 15,920 x 6,132 pixel
Pixel Size	6.0 µm
Maximum Frame Rate	1.6 sec
Storage Units with SSD or HDD	Storage Units for 3480 images (500 GB)

### SPECIFICATIONS 76 Megapixel

Sensor Size	76 Megapixel, 14,000 x 5,412 pixel
Pixel Size	6.8 µm
Maximum Frame Rate	1.9 sec
Storage Units with SSD or HDD	Storage Units for 4400 images (500 GB)

### 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	80, 100 and 150 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 Units	634w x 450h x 354d
	8" TFT touch-screen	212w x 162h x 36d
Weight of System (kg)	Camera	25
	DigiControl with Storage Units	24
	8" TFT touch-screen	0.9
Power Consumption at Full Performance	Camera	30W @ 20 ... 30 VDC
	DigiControl	50W @ 20 ... 30 VDC
	8" TFT touch-screen	15W @ 20 ... 30 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