

New:
380 MP



Quattro-DigiCAM®

Modular Large Format Aerial Camera



The IGI *Quattro-DigiCAM* is part of the IGI *DigiCAM* range since 2008. With an overall resolution of up to 380 megapixel, the system offers high resolution. As a unique feature the system can be converted to a *Quattro-DigiCAM-Oblique* delivering high quality, oblique to all four directions with up to 100 megapixels imagery. Using the same housing as the *Penta-DigiCAM* the system can be easily upgraded.

Highlights

- Nadir & Oblique Aerial Camera System
- Forward Motion Compensation (FMC)
- Channels: RGBI, RGB, CIR, NIR
- Focal length 90 mm
- Frame rate up to 0.6 sec
- Integrated Sensor Management (*IGIvisu*)
- Integrated GNSS/IMU System (*AEROcontrol*)
- Integrated Mission Planning & Flight Guidance (*CCNS-5* with *IGIplan*)
- Upgrade to *Penta-DigiCAM* possible



Nadir & Oblique Imagery, perfectly suited for 3D:

Within a couple of hours the *Quattro-DigiCAM* is converted to its oblique version. The amazing result of *Quattro-DigiCAM* nadir & oblique imagery using the automatic dense point cloud and true orthophoto algorithm of *IGImatch* is shown in the picture below. Imagery is based on Aerowest flight over Dortmund, Germany with their *Quattro-DigiCAM*. Please also have a look at the demo video on our website.

Left: *Quattro-DigiCAM* in oblique and large format installation housing. Sensor Management Units plus GNSS/IMU system mounted on top. In the picture *Quattro-DigiCAM* in red color finish. Different colors are available on request.
Down: *IGImatch* - Automatic Generated Point Cloud.



IGI Quattro-DigiCAM - Specifications

SPECIFICATIONS IGI Quattro-DigiCAM-400

Image Size	380 Megapixel, 23,350 x 16,400 pixel
Compensation	Forward Motion Compensation (FMC by BCM)
Channels	RGBI, RGB, CIR, NIR
Pixel Size	4.7 µm
Maximum Frame Rate	0.6 sec
Lenses	90 mm
SSD Storage Units	Redundant Storage Units for ~14,800 images (Up to 6 TB)

SPECIFICATIONS IGI Quattro-DigiCAM-300

Image Size	300 Megapixel, 20,550 x 14,700 pixel
Compensation	Forward Motion Compensation (FMC by TDI)
Channels	RGBI, RGB, CIR, NIR
Pixel Size	5.2 µm
Maximum Frame Rate	1.25 sec
Lenses	90 mm
SSD Storage Units	Redundant Storage Units for ~17,400 images (Up to 6 TB)

SPECIFICATIONS IGI Quattro-DigiCAM

Shutter	Electronically controlled leaf shutter	
Shutter Speed Options	Up to 1/2500 sec	
Maximum Operating Altitude	No limit	
Integrated Sensor Management (<i>IGIvisu</i>)		
Integrated GNSS/IMU System (<i>AEROcontrol</i>)		
Integrated Mission Planning & Flight Guidance (<i>CCNS-5</i> with <i>IGIplan</i>)		
Physical Dimensions	<i>Quattro-DigiCAM</i> & <i>Quattro-DigiCAM-Oblique</i> suitable for GSM4000/3000, PAV100/80/30 or similar	
	Camera with Storage Units & GNSS/IMU Unit	ø402 x 470 mm (nadir) ø15.83 x 18.50 inches (nadir) ø402 - 436 x 830 mm (oblique) ø15.83 - 17.17 inches (oblique)
Weight of System	Camera with Storage Units & GNSS/IMU	40-50 kg (88-110 lbs)
Power Consumption	Camera with Storage Units	250W @ 20 ... 30 VDC