

# Quattro-DigiCAM®

## **Modular Large Format Aerial Camera**



摇回 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 ■ The state of the property of the state of the state



#### **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 Managements 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



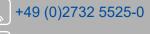


### IGI Quattro-DigiCAM - Specifications

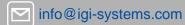
SPECIFICATIONS IGI Quattro-DigiCAM-400		
Image Size	380 Megapixel, 23,350 x 16,400 pixel	
Compensation	Forward Motion Compensation (FMC by BCM)	
Channels	RGBI, RGB, CIR, NIR	
Pixel Size	4.7 μm	
Maximum Frame Rate	0.6 sec	
Lenses	90 mm	
SSD Storage Units	Redundant Storage Units for ~14,800 images (Up 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 (IGIvisu)				
Integrated GNSS/IMU System (AEROcontrol)				
Integrated Mission Planning & Flight Guidance (CCNS-5 with IGIplan)				
Physical Dimensions	Quattro-DigiCAM & Quattro-DigiCAM-Oblique 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		









**IGI** mbH