

New:  
300 MP



# Quattro-DigiCAM<sup>®</sup>

## 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 300 megapixel, the system offers high resolution. As a unique feature the system can be converted to a *Quattro-DigiCAM-Oblique* delivering high quality, 45° oblique to all four directions with up to 80 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: RGB + NIR
- Focal length 110, 150 or 240 mm
- Frame rate up to 1.6 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.



# Quattro-DigiCAM® - Specifications

## SPECIFICATIONS *Quattro-DigiCAM-300*

Image Size	300 Megapixel, 20,550 x 14,700 pixel
Compensation	Forward Motion Compensation (FMC by TDI)
Channels	Color (RGB) + Near-Infrared (NIR)
Pixel Size	5.2 µm
Maximum Frame Rate	1.6 sec
Lenses	110, 150 and 240 mm
SSD Storage Units	Redundant Storage Units for 8700 images (Up to 3 TB RAID)

## SPECIFICATIONS *Quattro-DigiCAM-235*

Image Size	235 Megapixel, 18,500 x 12,750, pixel
Compensation	Forward Motion Compensation (FMC by TDI)
Channels	Color (RGB) + Near-Infrared (NIR)
Pixel Size	6.0 µm
Maximum Frame Rate	1.6 sec
Lenses	110, 150 and 240 mm
SSD Storage Units	Redundant Storage Units for 10,500 images (Up to 3 TB RAID)

## SPECIFICATIONS *Quattro-DigiCAM*

Shutter	Electronically controlled leaf shutter	
Shutter Speed Options	Up to 1/1600 sec	
Maximum Aperture	2.8 @ 100 mm, 3.5 @ 150 mm, 4.5 @ 240 mm	
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



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