

Quattro DigiCAM[®]

Modular Large Format Aerial Camera



The *Quattro DigiCAM* is part of the IGI *DigiCAM* range since 2008. With an overall resolution of up to 235 megapixel, the system offers high resolution and thereby reduces the number of flight lines. Being part of IGI's Modular System Concept parts of the system can be used in different compatible systems such as *DigiTHERM*, *LiteMapper*, *StreetMapper* or *RailMapper*. As a unique feature the system can be converted to a *Quattro DigiCAM Oblique* delivering up to 60 megapixels imagery.



**Nadir & Oblique
Convertible**



Nadir & Oblique Imagery, perfectly suited for 3D texturing:

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 texture algorithm of German based company 3D Reality Maps is shown in the picture below. Imagery is based on Aerowest flight over Brunswick, Germany with their *Quattro DigiCAM*. Please also have a look at the demo video on our website.



Quattro DigiCAM® - Specifications

SPECIFICATIONS 235 Megapixel

Image Size	235 Megapixel, 18,500 x 12,750 pixel
Pixel Size	6.0 µm
Maximum Frame Rate	1.6 sec
SSD Storage Units	Storage Units for 5800 images (2 TB)

SPECIFICATIONS 191 Megapixel

Image Size	191 Megapixel, 16,550 x 11,600 pixel
Pixel Size	6.0 µm
Maximum Frame Rate	1.6 sec
SSD Storage Units	Storage Units for 6960 images (2 TB)

SPECIFICATIONS 150 Megapixel

Image Size	150 Megapixel, 14,000 x 10,392 pixel
Pixel Size	6.0 µm
Maximum Frame Rate	1.2 sec
SSD Storage Units	Storage Units for 8800 images (2 TB)

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, 150, 210 and 300 mm	
Image Data Formats	TIFF, JPEG, DNG (optionally 8 or 16 bit)	
Maximum Aperture	2.2 (@ 100 mm)	
Maximum Operating Altitude	No limit	
Physical Dimensions	Quattro DigiCAM suitable for GSM3000, PAV80, PAV30 Quattro DigiCAM Oblique suitable for PAV30	
	DigiControl with Storage Units	290w x 140h x 200d mm 11.42w x 5.51h x 7.87d inches
	15" TFT touch-screen	330w x 260h x 38d mm 13w x 10.24h x 1.5d inches
Weight of System	Camera	30 kg (66 lbs)
	DigiControl with Storage Units	7.7 kg (16.9 lbs)
	15" TFT touch-screen	2.5 kg (5.5 lbs)
Power Consumption at Full Performance	Camera	60W @ 20 ... 30 VDC
	DigiControl	120W @ 20 ... 30 VDC
	15" TFT touch-screen	26W @ 20 ... 30 VDC