

Pictometry by Vision

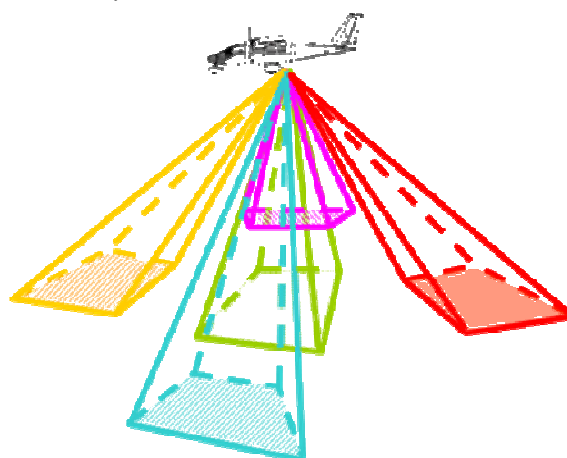
Vision is the sole provider of Pictometry oblique geo-reference aerial photography in the Middle East region. Pictometry is a unique oblique camera system which enables multiple geo-referenced images to be acquired of a location. These images provide the user with oblique views showing the sides of buildings and provide an alternative to the traditional vertical view usually associated with orthophoto imagery. Moreover all visual assets can be measured quickly and easily.

The imagery is captured using a cluster of five digital cameras acquiring North, South, East, West and vertical images for every feature within the urban environment. Using sophisticated IMU and GPS navigation technology all of the images are geo-referenced and referenced to the Qatar national grid, enabling other geographic data to be integrated and viewed simultaneously.

Images may be viewed from within ESRI ArcMap software and may be integrated with other geo-referenced data to enable the user to use the imagery for a variety of activities.



Pictometry sample image of a coastline



Schematic representation of Pictometry system

Image characteristics	TIFF format	JPEG format
Image file size	30 Mb	4 – 5 Mb
No images / sq km	64	64
File size /sq km	1,920 Mb	350 Mb
No images / location / m ²	12 – 18	12 – 18
Image resolution	See below	

Note: These file sizes are estimations based on average figures

Image type	No. views from opposing directions	Front line (cm)	Back line (cm)	front to Back (cm)	Front line distance (m)	Back line distance (m)	Side distance (m)
Oblique image	4	8	12.8	21.6	550	770	700
Orthophoto camera	1	10	10	20	530	n/a	350



Al Ain, Abu Dhabi Emirate



A Vision aircraft above Dubai



Palm Jumeirah, Dubai



Height measurement tool