
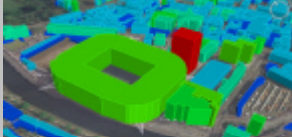



Features	Surface Model	Building Blocks	Detailed Building Models
			
Description	Grid file with each grid cell containing the height above sea level of the bare ground or surface, e.g. buildings, trees etc	Basic vector 3D building block model	Detailed vector 3D model
Typical Applications	Environmental terrain analysis, cellular network planning, tree mapping, engineering, surveying, flood mapping	Massing models, architectural and land development bid planning, city wide general 3D visualisation	Detailed site centred 3D planning, public consultation, urban redevelopment, line of sight and right to light analysis
Main roof structures - pitch, flat, hipped roof	Yes	Flat roofs, multiple polygons for areas over 3m ²	Yes
Chimneys	Yes	No	Prominent chimneys over 1m
Dormers	Yes	No	Prominent dormers over 1m
Parapet walls	Yes	No	Prominent parapet walls over 1m
Vents	No	No	Prominent vents over 1m
Fences and walls	Yes	No	No, unless requested as optional extra
Small grass areas	No	No	Sometimes indicated
Large grass areas - parks	No	No	Yes
Tree models	Yes	No	Yes. Generic tree models. Not accurate to height, canopy spread or exact number
Bridges	Yes	No	Yes
Rivers	Yes	No	Yes
Railway lines	No	No	Usually indicated
Road networks	No	No	Yes
Building accuracy (Vertical error)	accuracy +/- 15cm to +/- 50cm	0 - 1m	0 - 60cm
Terrain accuracy (Vertical error)	accuracy +/- 15cm to +/- 50cm	0 - 1.5m	0 - 60cm
Resolution	50cm - 2m Depending on scale of capture	N/A	N/A
Availability	Available off the shelf for 57 cities across the UK, other areas created on demand	Available off the shelf for 568 towns and cities across the UK	Created on demand
Delivery format	.IMG, ASCII, DWG & DXF	DWG, SketchUp, ESRI & MapInfo	DWG & Sketchup

Please note that the **accuracy** of the 3D building model depends on the accuracy of the aerial imagery from which the model is derived

In London the basic building blocks are upgraded to UKMap 3D buildings, please ask for more details.

3D models are created with orthorectified aerial imagery

Quoted accuracy of orthorectified data is +/- 1m

Date of image capture is provided upon quotation - any buildings created after the capture date will not appear in the model

We strongly recommend that for areas where higher level of accuracy is required, a ground level/terrestrial survey is carried out
Please contact us for further details on this service