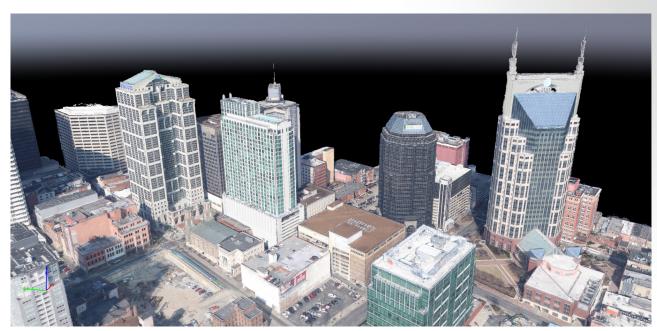


Showcase | Hi-Res City Modeling with Small Manned Aircraft

City Modeling	
PROJECT	High-resolution 3D model made of the central business district in Nashville, to assess the advantages of using a small manned aircraft and the WaldoAir XCAM-B oblique camera rig for city mapping
KEY BENEFITS	 High resolution 3D model from a low cost camera rig and small manned aircraft Complete top and facade information of the buildings Fast processing with camera rig constrain feature



3D Model of Nashville Central Business District

Data Acquisitior	
HARDWARE & FLIGHTPLAN	Small manned aircraft with the Waldo Air XCAM-B camera onboard Oblique images taken with the WaldoAir Corp. patented flight guidance software
FLIGHT TIME	Around 15 minutes
DATASET	596 images at 8 cm GSD

Project Outcome

DELIVERABLES

• 3D textured mesh model

• 3D point cloud

PROCESSING TIME

Around 6 hours

ANALYSIS

The XCAM-B camera rig was calibrated and built into Pix4Dmapper's camera database. With the known relative parameters of the rig, images can be processed more efficiently in the software. The entire city model of 155 acres was completed within a day



The rayCloud editor allowed Waldo Air to view, assess interpret and improve the quality of project results



The WaldoAir XCAM-B and tablet with Waldo KML Reader Mission Planner



The small plane used for data acquisition with the Waldo Air XCAM-B mounted underneath

Client Reference

SHOWCASE COURTESY OF:



WALDOAIR CORP

Discover Pix4Dmapper for free on www.pix4d.com



Pix4D SA

EPFL Innovation Park Building D 1015 Lausanne Switzerland General inquiries: info@pix4d.com
Sales inquiries: sales@pix4d.com
Support inquiries: support@pix4d.com
Phone: +41 21 552 05 90
www.pix4d.com









