

# Palmerston North 0.125m Urban Aerial Photos (2017)

## Title

Palmerston North 0.125m Urban Aerial Photos (2016-2017)

## Creator

LINZ - Land Information New Zealand

## Date

2018

## Description

Orthophotography of Palmerston North City taken in the flying seasons (summer period) 2016-2017. Imagery was captured for Palmerston North City Council by Aerial Surveys Ltd, Unit A1, 8 Saturn Place, Albany, 0632, New Zealand. Data comprises:

- 1,046 ortho-rectified RGB GeoTIFF images in NZTM projection, tiled into the LINZ Standard 1:1,000 tile layout
- Tile layout in NZTM projection containing relevant information. The supplied imagery is in terms of New Zealand Transverse Mercator (NZTM) map projection. Please refer to the supplied tile layout shape file for specific details, naming conventions, etc. Imagery supplied as 12.5cm pixel resolution (0.125m GSD), 3-band (RGB) uncompressed GeoTIFF. The final spatial accuracy is  $\pm 0.2$  m @ 68% confidence level. Index tiles for this dataset are available as layer [Palmerston North 0.125m Urban Aerial Photos Index Tiles (2016-2017)] (<http://data.linz.govt.nz/layer/99192>)

## Source

Project Aerial photography was captured over the Palmerston North urban area in the Manawatu and Palmerston North City Districts totalling approximately 183 km<sup>2</sup>. The area of capture is located in the Manawatu-Whanganui Region of the North Island. Data Acquisition The aerial photography for this project was captured within the 2016/17 flying season (September 2016 – April 2017) on the following dates: 1 March and 9-10 April 2017 Camera All photography was captured using Vexcel's digital UCE camera and flown at: 0.125 m GSD: 7887 ft (2403 m) flying height Camera Lens: 100 mm Sun Angle Imagery was captured with a sun angle between 38.9 and 50.5 degrees Flight Planning SN13884 Palmerston North Urban: 15 runs, 374 frames Stereo capture: Forward overlap 60%. Side overlap 35% SN13884 Palmerston North CBD: 3 runs, 21 frames Stereo capture: Forward overlap 80%. Side overlap 80% Urban Building Displacement Specification Urban 0.125 m GSD imagery – using the UCE camera and by flying with 60% forward overlap and with 35% sidelap (standard stereo coverage), maximum 1.0 m building lean per 3 m height within the image model area. CBD 0.125 m GSD imagery – using the UCE camera and by flying with 80% forward overlap and with 80% sidelap near true ortho imagery as been achieved (near to no building lean).

## Coverage

-40.4506255268 175.510356374 -40.2383077369 175.795988917

## Identifier

<https://data.linz.govt.nz/layer/99251-palmerston-north-0125m-urban-aerial-photos-2017/>

## Type

grid

## Language

eng

Subject

| imageryBaseMapsEarthCover