

PRODUCT DESCRIPTION: ASIAQ ORTHOPHOTOS



DESCRIPTION



An orthophoto is a composite aerial photo made from overlapping photos that have been geometrically corrected and adjusted to depict equal proportions throughout the image. This ensures uniform scale and prevents elevation variations in the landscape from causing distortions in the image. An orthophoto can therefore be used as a map and linked with a coordinate system.

PURPOSE AND APPLICATION

Orthophotos have a wide range of applications. They are suitable as a detailed background map or can be used for comparison with the corresponding basemaps or other geo-referenced maps, e.g. in connection with case management and planning. They are primarily used as a basis for mapping towns, settlements and open landscapes, but they are also used in connection with community planning, environmental monitoring, land use analysis, public administration, project engineering and other technical purposes.

DATA QUALITY

Orthophotos cover all Greenlandic towns and settlements, and are based on aerial photographs taken from aircraft or drone.

The orthophoto is delivered as a raster image file with a resolution (pixel size) of either 20 cm, 10 cm or 5 cm when produced from aircraft photos, and a resolution (pixel size) of 4 cm when produced from drone photos.

Asiaq has produced orthophotos since 2001; selected parts of which are updated in connection with updates to the Basemap.

List of locations where Asiaq updates orthophotos: [Click here for list of locations](#)

SPECIFICATIONS / PRODUCT DESCRIPTION

Asiaq orthophotos are part of the free and open geodata, which means that Basemap data for all inhabited towns and settlements in Greenland is freely available at no cost.

Format: ECW

Reference system: GR96

Coordinate system: All orthophotos are located in local UTM zones: zone 19, zone 20, zone 21, zone 22, zone 23, zone 24 and zone 27

Distribution of data: Free data

Services: NunaGIS.gl

CONTACT

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