

ULTRACAM



UltraCam and UltraMap – An Update

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ULTRACAM



UltraCam Family



Osprey

Eagle

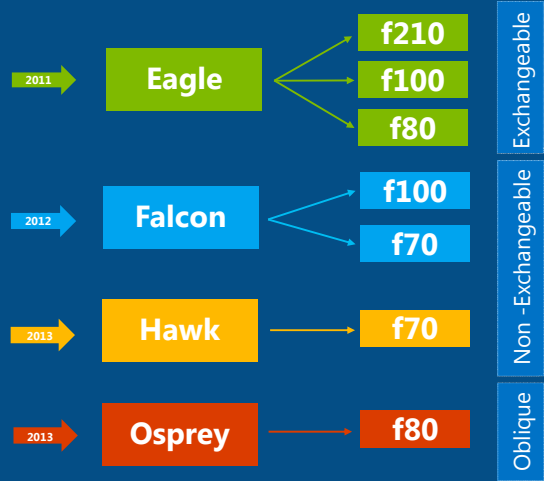
Falcon

Hawk

UltraCam Line-Up

3rd Gen Architecture

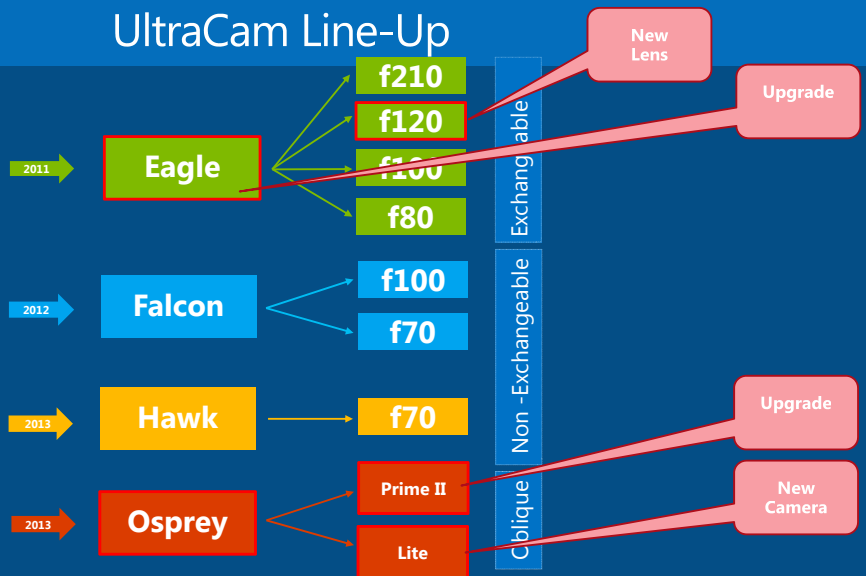
Eagle
Falcon
Hawk
Osprey



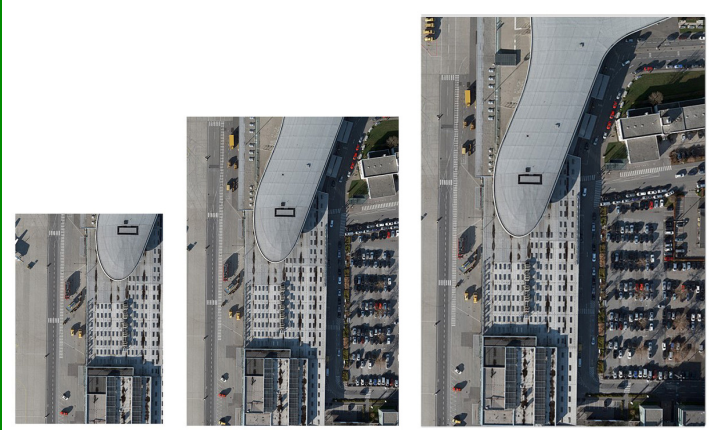
UltraCam Line-Up

3rd Gen Architecture

UCE
UCFp
UCH
UCOp



Update: UltraCam Eagle Prime



Hawk
90 Mpixel

Falcon prime
196 Mpixel

Eagle prime
349 Mpixel



23,010 x 14,790 pixel
Four exchangeable lens systems
Faster frames, more storage
and less weight

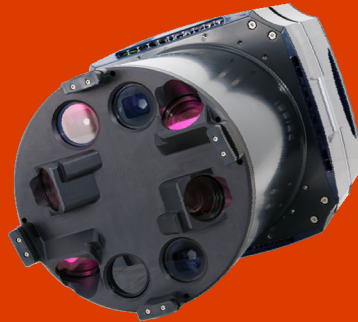
New: F120mm for UltraCam Eagle



Efficiency through flexibility: “UltraCam Eagle Exchangeable Lenses”

80 mm
100 mm
120 mm (new)
210 mm

Update: UltraCam Osprey prime II



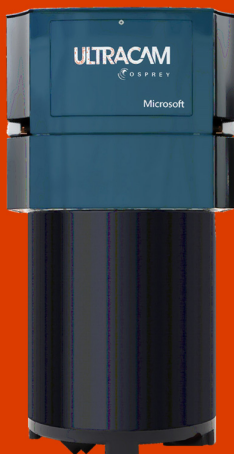
Ultra-flexible: „Photogrammetry meets oblique“

Nadir:
13,470 pixels across in PAN (f80)
RGB and NIR (f40)

Oblique:
80 MP RGB (f, b, l, r @ f120)

Simultaneous collect and „Nadir only“ mode

New: UltraCam Osprey lite



Ultra-flexible: „Entry into oblique“

Nadir:
80 MP RGB (f70)
NIR as an option (f40)

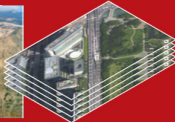
Oblique:
80 MP RGB (f, b, l, r @ f120)

Upgradeable to UltraCam Osprey Prime II

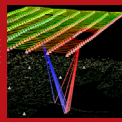
UltraMap Modules And Versions



Image Acquisition



Radiometrically aligned Images



Aerial Triangulation



3D Point Cloud



Digital Surface Model (DSM) And Editing



True (DSM) Ortho



Traditional (DTM) Ortho

Legacy & New AT

09/2015
Intergeo

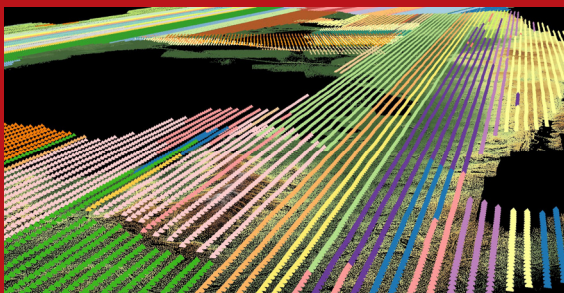
Oblique Color Balancing

3D TINS

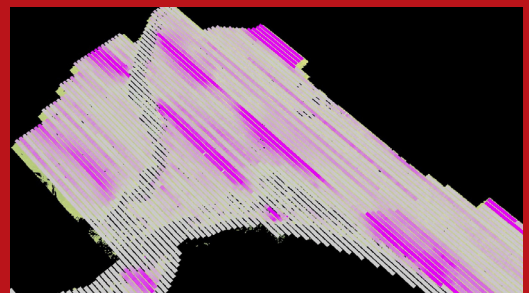
04/2016
ASPRS

Feature Highlights

Visual Analytics – Intuitive Understanding of Any-Size Blocks



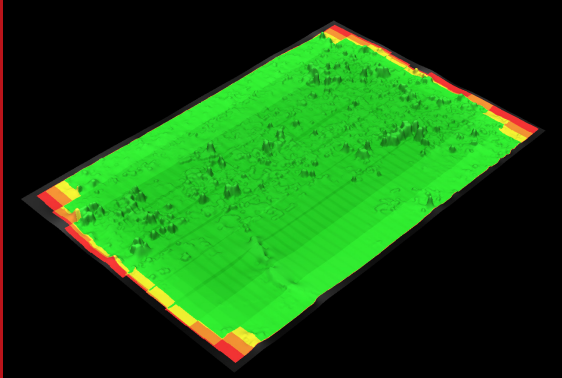
Color Coded Flight Missions



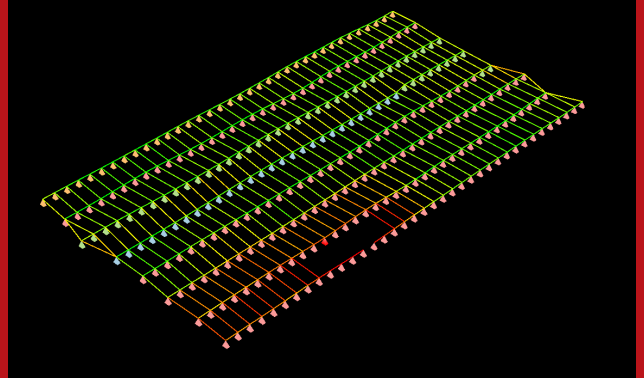
Discovering Critical Missions or Trigger Events

Feature Highlights

Visual Analytics – Coverage Check and Link Analysis



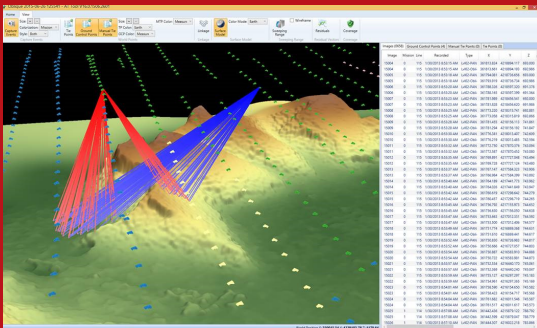
Freely Configurable Overlap



Freely Linkage Health Visualization

Feature Highlights

Visual Analytics – Built-in Terrain and Image Visualization



Identifying Point Correspondences

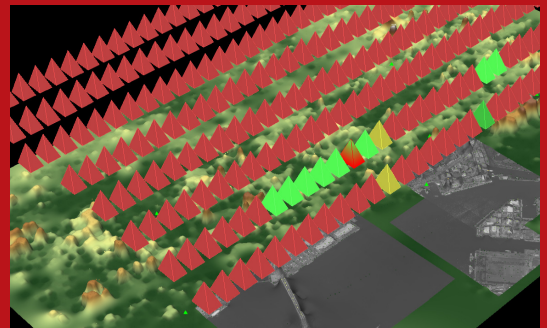


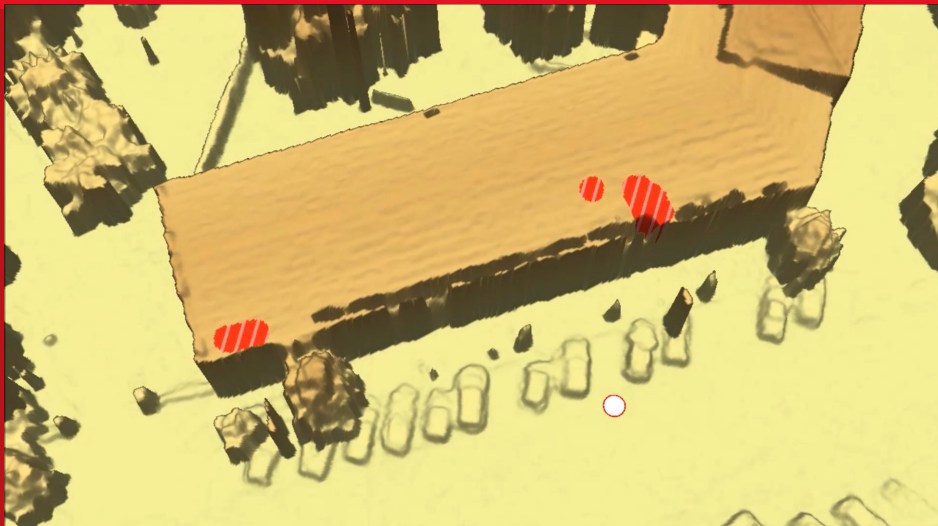
Image Visualization on Tie Point Surface

Feature Highlights

Revolutionary Time Saving 3D DSM Editing Tools And GUI

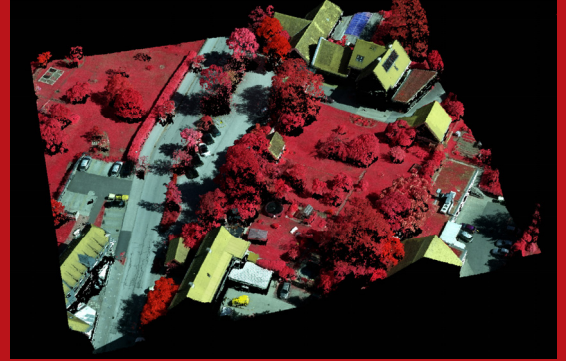


Feature Highlights



Feature Highlights

New Point Cloud Export Options: RGBI & CIR



Outlook V5.x



3D TINS

Colored TIN

DSM

Thank You Very Much
...
And come and see us at
demonstration „E“