

Latest Technology

AAM can more rapidly provide accurate spatial information to support your projects and operations with three large format Digital Mapping Cameras.

Our expert application of leading edge technology provides an essential input for decision making.

AAM is a team of more than 200 surveyors, spatial scientists and technicians, operating predominantly in Australia, New Zealand, SE Asia and South Africa.

AAM has a culture of inquiry, sound scientific foundation, client-focused management, passion for excellence and professional values.

Resources

- 200 Staff
- 7 Digital Cameras - 3 Large Format
- 10 Aerial Survey Aircraft

Camera Advantages

- Rapid data acquisition
- Significant post processing efficiencies
- Less ground control required
- Improved “in-flight” quality control
- Enhanced low light and shadow capabilities
- Large and small scaled imagery with unsurpassed image resolution: 2.5cm – 50cm
- Superior geometric accuracy
- Infrared spectrum in addition to conventional visible light imagery, benefiting applications for environmental, agricultural and forestry purposes

Camera Specifications

- Four high resolution 7k x 4k panchromatic camera heads:
 - Final output image: 7,680 x 13,824 pixels
 - Field of view: 69.3° cross track x 42° along track
 - Lens system: 4: x f = 120mm/f:4.0
- Four multispectral 3k x 2k cameras:
 - Red, green, blue and near infrared
 - Spectral sensitivity
 - Blue: 400-580 nm
 - Green: 500-650 nm
 - Red: 590-675 nm
 - Near infrared: 675-850 nm
 - Final output image pan-sharpened RGB or CIR: 7,680 x 13,824 pixels
- Radiometric resolution: 12 bit (all cameras)

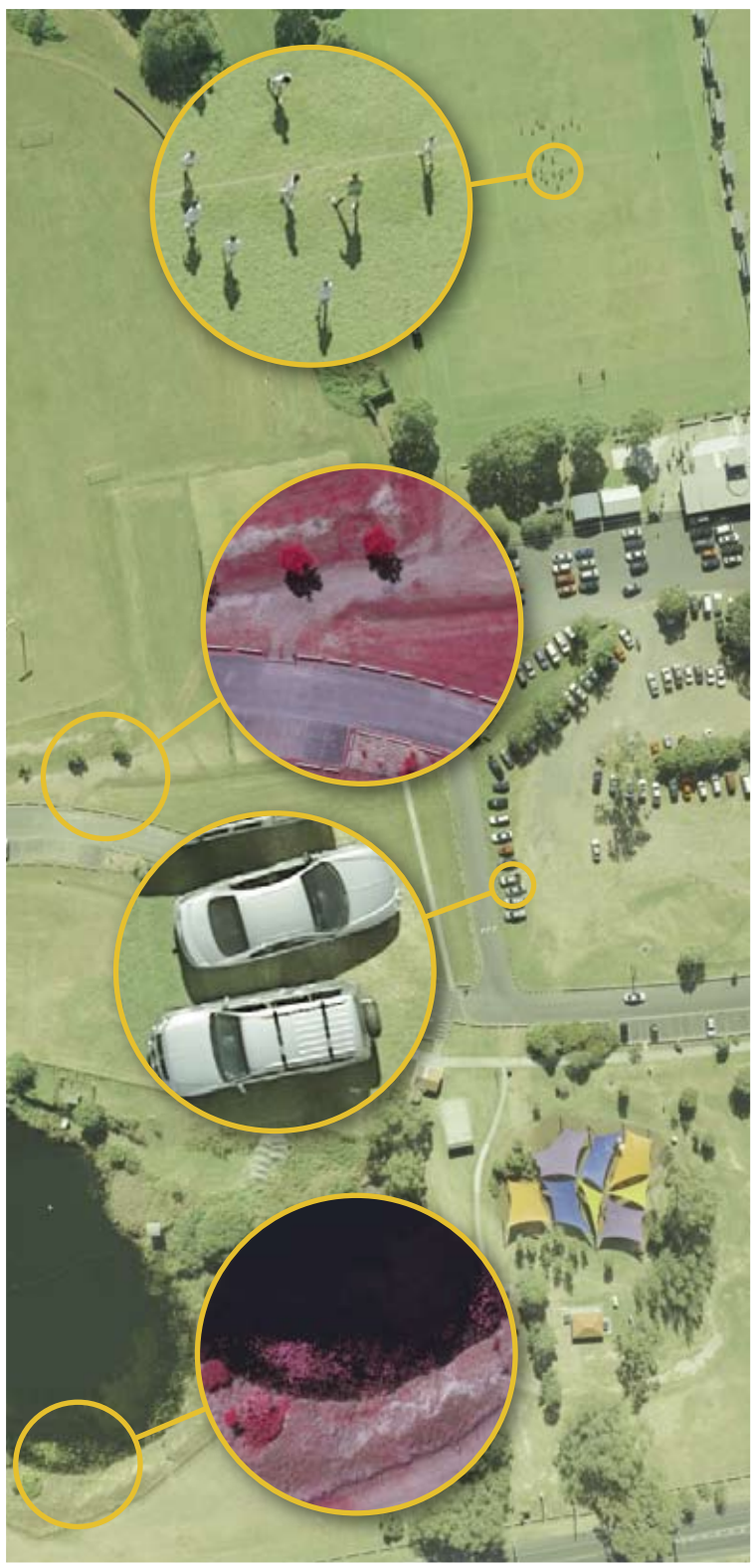


Above: Black and white, colour and near infrared imagery

Digital Cameras



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Above: Infrared and natural colour subsets (2.5cm pixel original)
Right: Examples of various image resolutions

