

# INTRODUCING THE ALL NEW PHASE ONE INDUSTRIAL 280MP AERIAL SOLUTION

## The New Standard in Large Format Aerial Imaging



With over 20,000 pixels across, compact size and weight, the 280MP Aerial Solution provides higher Return on Investment compared to any other large format system available on the market. The 280MP Aerial Solution offers the highest image capture rate and dynamic range, increasing overall quality and accuracy of the final photogrammetric products. The iXM-RS 280F provides a large format option that easily integrates with DSM400 gyro-stabilized mount creating a compact and lightweight system for use in a wide range of aircraft.

*(This article is brought to you by Phase One Industrial)*

**The iXM-RS 280F provides accuracy and**

**image quality**



### Phase One 280MP Aerial solution

The iXM-RS 280F is a dual lens metric camera, with 90mm lenses for capturing RGB information, and providing superior image quality. The iXM-RS 280F camera generates central projection image from two 150MP nadir images with equal ground resolution.

The Aerial solution comprises iX Controller, GNSS/ IMU receiver (POS AV series), Somag gyro-stabilized mount (DSM 400), the Phase One flight planning and management software iX Plan and iX Flight as well iX Capture.



Aerial image taken with Phase One Industrial iXM-RS 280F



Phase One iXM-RS 280F

Features:

- Backside illuminated (BSI) CMOS sensor
- Wide dynamic range
- Improved light sensitivity
- More flying hours per day and more flights achievable per year

- Maintains object resolution in low light conditions

## 4- Band Configuration 280MP Aerial Solution:

### Expanding the camera performance with many configurations

Phase One is expanding the camera's performance, offering additional configuration for simultaneous capturing RGB and NIR images. The 280MP 4-Band solution comprises dual 90 mm lenses for capturing RGB information, and a 50 mm lens for capturing NIR information and thus providing 4-Band (R,G,B,NIR) or CIR imagery.



#### 4- Band imagery solution

The integrated iX Capture software automatically generates distortion-free 4-Band images by performing an accurate matching of NIR image to an RGB image, creating precise and reliable output data.

iX Capture outputs:

- TIFF and JPG formats
- 4-Band RGB+NIR (RGBN)
- 3-Band CIR (Color Infra Red)
- NDVI (Normalized Difference Vegetation Index)
- Distortion-free / corrected RGB
- Distortion-free / corrected NIR

Visit [Phase One Industrial](#) to get more information on our large format imaging solution.

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<https://www.gim-international.com/case-study/the-new-standard-in-large-format-aerial-imaging>

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