

Compact by design.  
Modular by nature.

# PAS TRANA



PAS TRANA is Phase One's new family of compact, modular, high-performance aerial mapping systems, available in four configurations across 130 MP and 250 MP imaging and three- and four-band capabilities.

Combining Phase One image quality with IIQ-X, Hybrid Motion Compensation, climatized system housing and integrated mission technologies, PAS TRANA delivers efficient data handling and consistent imaging performance across demanding aerial operations.

Its compact architecture provides greater aircraft integration flexibility, while the modular design allows operators to select the configuration that fits their mission today and build on a common platform designed for tomorrow's mapping and data requirements.

## 1. Compact by design. Modular by nature.

A compact, modular platform with four configurations, designed for flexible aircraft integration and different mission requirements.

## 2. More imaging. Smarter data.

Phase One image quality with IIQ-X for efficient acquisition and scalable high-resolution data workflows.

## 3. Engineered to perform. Mission after mission.

HMC, integrated mission technologies and a robust system architecture deliver consistent performance across demanding aerial operations.

## Configurations

### PAS TRANA 250

250 MP · 3-band · iXM-RS250

### PAS TRANA 250 Pro

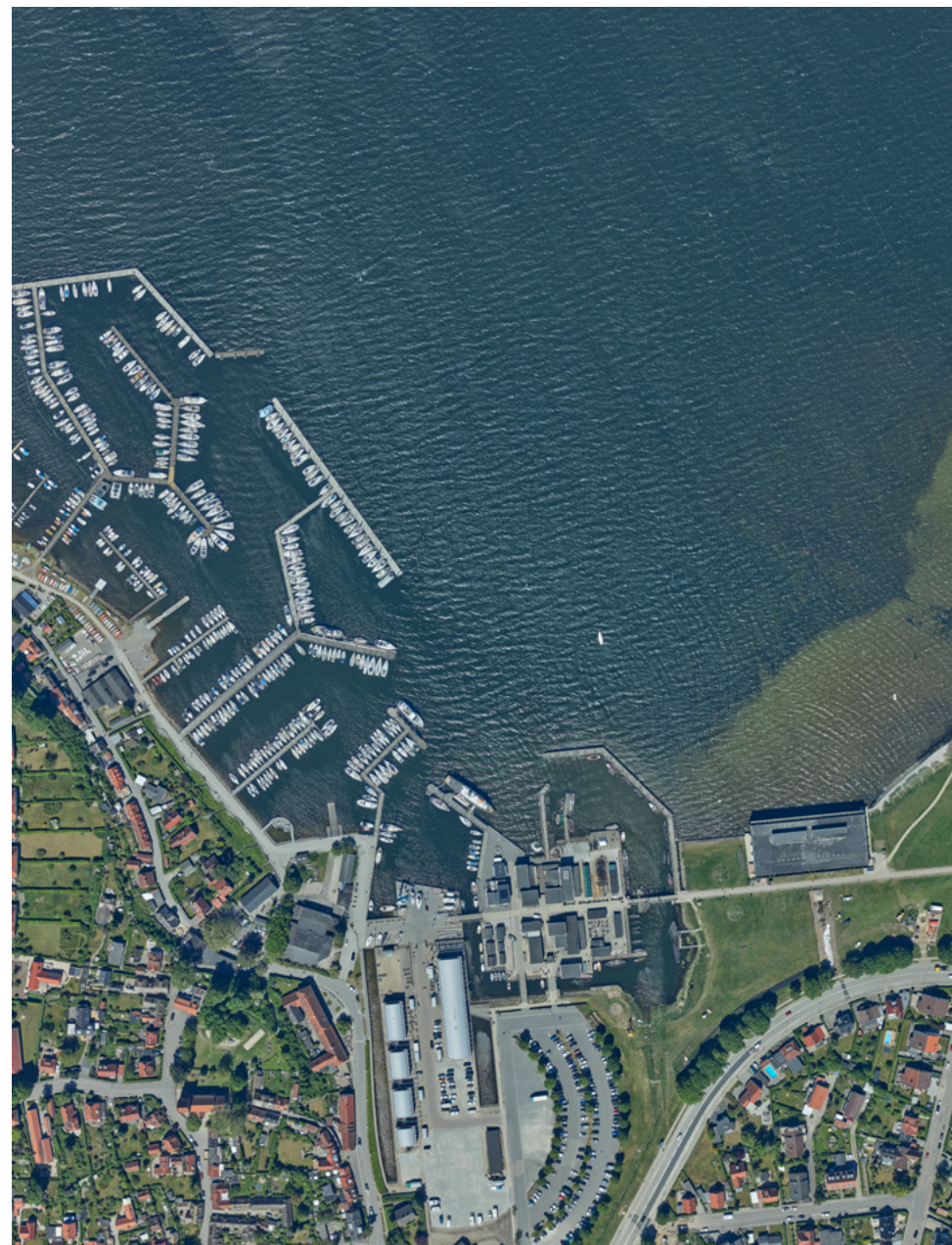
250 MP · 4-band (incl. NIR) · iXM-RS250

### PAS TRANA 130

130 MP · 3-band · iXM-FS130

### PAS TRANA 130 Pro

130 MP · 4-band (incl. NIR) · iXM-FS130



Captured with PAS TRANA — coastal mapping, Denmark

# PAS TRANA

## Technical specifications

| Specifications                                                  | PAS TRANA 250          | PAS TRANA 250 Pro                            | PAS TRANA 130                             | PAS TRANA 130 Pro                            |
|-----------------------------------------------------------------|------------------------|----------------------------------------------|-------------------------------------------|----------------------------------------------|
| Cameras (Nadir)                                                 | 1x iXM-RS250 RGB       | 1x iXM-RS250 RGB,<br>1x iXM-RS250 Achromatic | 1x iXM-FS130 RGB                          | 1x iXM-FS130 RGB,<br>1x iXM-FS130 Achromatic |
| Color option                                                    | RGB                    | RGB & Achromatic                             | RGB                                       | RGB & Achromatic                             |
| Resolution (Mpix)                                               | 247                    | 247                                          | 129                                       | 129                                          |
| Sensor resolution (Pix)                                         | 19,236 x 12,836        | 19,236 x 12,836                              | 13,468 x 9,564                            | 13,468 x 9,564                               |
| Dynamic range (dB)                                              | 83                     | 83                                           | 80                                        | 80                                           |
| Light sensitivity RGB (ISO)                                     | 50                     | 50                                           | 200                                       | 200                                          |
| Light sensitivity ACH (ISO)                                     | 200                    | 200                                          | 800                                       | 800                                          |
| Pixel size (µm)                                                 | 2.81                   | 2.81                                         | 3.45                                      | 3.45                                         |
| Sensor size (mm x mm)                                           | 54 x 36                | 54 x 36                                      | 46 x 33                                   | 46 x 33                                      |
| Aspect ratio                                                    | 3:2                    | 3:2                                          | 7:5                                       | 7:5                                          |
| Max shutter speed (s)                                           | 1/2,500                | 1/2,500                                      | 1/16,000                                  | 1/16,000                                     |
| Shutter type                                                    | Mechanical, leaf       | Mechanical, leaf                             | Fusion Shutter™ (Electronic & Mechanical) | Fusion Shutter™ (Electronic & Mechanical)    |
| Continuous frame rate w. previews (fps)                         | Up to 2                | Up to 2                                      | Up to 4                                   | Up to 4                                      |
| Channels                                                        | 3                      | 4                                            | 3                                         | 4                                            |
| Data storage capacity (controller) (TB)                         | 4                      | 4                                            | 4                                         | 4                                            |
| HMC ready                                                       | Yes                    | Yes                                          | Yes                                       | Yes                                          |
| Stabilized mount                                                | Somag CSM 40           | Somag GSM 5000                               | Somag CSM 40                              | Somag GSM 5000                               |
| GNSS / IMU                                                      | Applanix / AeroControl | Applanix / AeroControl                       | Applanix / AeroControl                    | Applanix / AeroControl                       |
| <b>Field of view (RGB/NIR)</b>                                  |                        |                                              |                                           |                                              |
| 50 mm (H / V [deg])                                             | 56.8 / 39.7            | 56.8 / 39.7                                  | 49.8 / 36.5                               | 49.8 / 36.5                                  |
| 70 mm (H / V [deg])                                             | 42.2 / 28.9            | 42.2 / 28.9                                  | 36.7 / 26.5                               | 36.7 / 26.5                                  |
| 90 mm (H / V [deg])                                             | 33.4 / 22.7            | 33.4 / 22.7                                  | 28.9 / 20.8                               | 28.9 / 20.8                                  |
| 150 mm (H / V [deg])                                            | 20.4 / 13.7            | 20.4 / 13.7                                  | 17.6 / 12.6                               | 17.6 / 12.6                                  |
| 180 mm (H / V [deg])                                            | 17.1 / 11.4            | 17.1 / 11.4                                  | 14.7 / 10.5                               | 14.7 / 10.5                                  |
| <b>System weight</b>                                            |                        |                                              |                                           |                                              |
| Total incl. mount (KG/LB)                                       | 21.3 / 46.96           | 38 / 84*                                     | 21.3 / 46.96                              | 38 / 84*                                     |
| <b>Dimensions</b>                                               |                        |                                              |                                           |                                              |
| IGI CSM-1 Sensor Pod (incl. Camera and IGI Aerocontrol CM) (mm) | 154 x 180 x 408**      | 358 x 358 x 696*                             | 154 x 180 x 408**                         | 358 x 358 x 696*                             |
| Somag CSM 40 Stabilized Mount (mm)                              | 290 x 175 x 121        |                                              | 290 x 175 x 121                           |                                              |
| Somag CSM 5000 Stabilized Mount (mm)                            |                        | 615 x 530 x 175                              |                                           | 615 x 530 x 175                              |
| <b>Power consumption</b>                                        |                        |                                              |                                           |                                              |
| Total (W)                                                       | 185 W                  | 270 W                                        | 185 W                                     | 270 W                                        |

\* Dimensions and weight are preliminary and subject to change.

\*\* Depending on lens

## About Phase One

Phase One is a global leader in high-end imaging solutions, delivering exceptional image quality for geospatial, industrial, cultural heritage, security, and professional imaging applications.

With more than three decades of imaging expertise, Phase One develops advanced cameras, systems, and workflow technologies that help customers capture, process, and deliver high-precision visual data.

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