



# DJI P1

## Efficiency through Flexible Full-frame Photogrammetry

### Extraordinary Efficiency

The P1 includes a full-frame, low-noise high-sensitivity sensor that can take a photo every 0.7 s during the flight, and covering 3 km<sup>2</sup><sup>[2]</sup> in a single flight.

### Efficiency to Cover It All Full-frame Camera

- 45MP Full-frame Sensor
- 4.4 μm Pixel Size
- Low-noise, high sensitivity imaging extends daily operational time
- Take a photo every 0.7 s during the flight
- TimeSync 2.0 aligns the camera, flight controller, RTK module, and gimbal at the microsecond level

1. Using Mapping Mission at a GSD of 3 cm, with an 75% front overlap rate and a 55% side overlap rate. 2. At a GSD of 3 cm, with an 75% front overlap rate and a 55% side overlap rate. 3. The global shutter is achieved with a central leaf shutter. 4. Using Smart Oblique Capture at a GSD of 3 cm, with an 80% front overlap rate and a 65% side overlap rate. 5. Area mapped: 1.5 km<sup>2</sup>, flight altitude: 200 m. 6. Area mapped: 0.5 km<sup>2</sup>, flight altitude: 200 m.

### Robust Versatility

Create 2D, 3D, and detailed models thanks to the integrated 3-axis gimbal that can be outfitted with 24/35/50mm lenses and the Smart Oblique Capture feature.

### Flexibility to Capture It All Multiple Fixed-focus Lens Options

- Global Mechanical Shutter<sup>[3]</sup> with a shutter speed of 1/2000 seconds
- Sends the median exposure pulse in microseconds
- Supports 24/35/50mm lenses with DJI DL mounts

### Remarkable Accuracy

Equipped with a global mechanical shutter and the all-new TimeSync 2.0 system, which synchronizes time across modules at the microsecond level, the P1 lets users capture centimeter-accurate data combined with the real-time position and orientation compensation technology.

### Work Smart, Work Fast Smart Oblique Capture

Cover 7.5 km<sup>2</sup><sup>[4]</sup> in a single workday with the P1. Elevate the efficiency of your oblique photography mission using Smart Oblique Capture, where the gimbal automatically rotates to take photos at the different angles needed. Only photos essential to the reconstruction will be taken at the edge of the flight area, increasing post-processing efficiency by 20%<sup>[5]</sup> to 50%<sup>[6]</sup>.

## Full Frame - The New Benchmark for Aerial Surveying

The Zenmuse P1 integrates a full-frame sensor with interchangeable fixed-focus lenses on a 3-axis stabilized gimbal. Designed for photogrammetry flight missions, it takes efficiency and accuracy to a whole new level.

