

# Full-Frame Three-Axis Gimbal Single-Lens Aerial Survey Camera PR1

The PR1 is a professional aerial survey camera that integrates high resolution, lightweight design, real-time settings, efficient storage, rapid continuous shooting, and HD video recording.



## High-Resolution Full-Frame Sensor

61-megapixel effective resolution with a full-frame Sony original sensor.



## Lightweight Design

The body weighs only 420 grams (without gimbal).



## Efficient Data Storage and Management

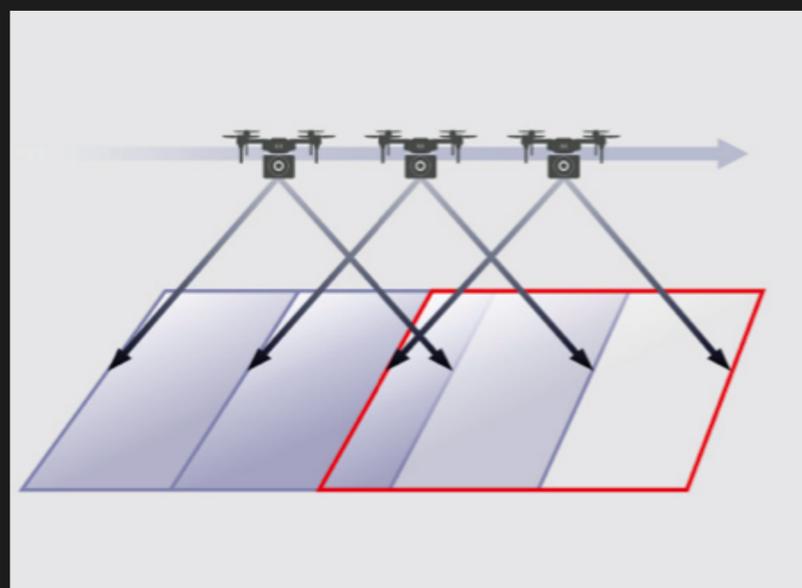
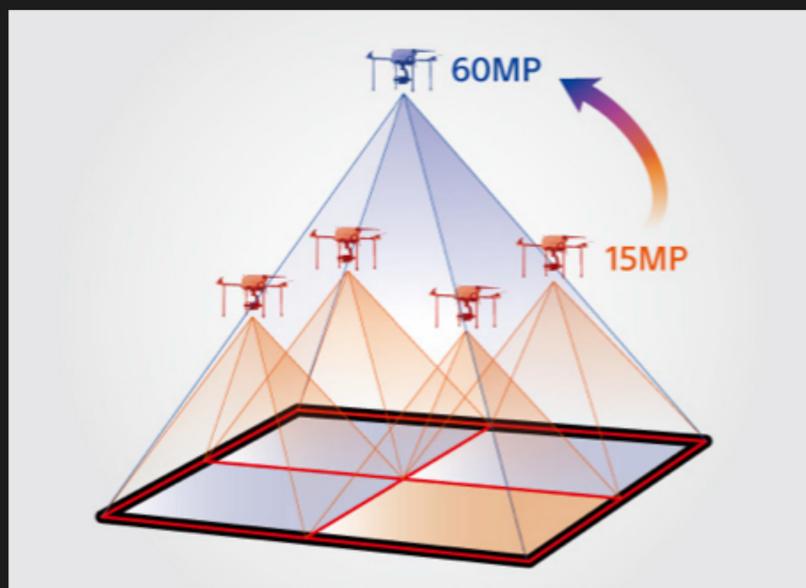
External high-speed SD card with POS data written directly into photos.

## High-Quality Imaging



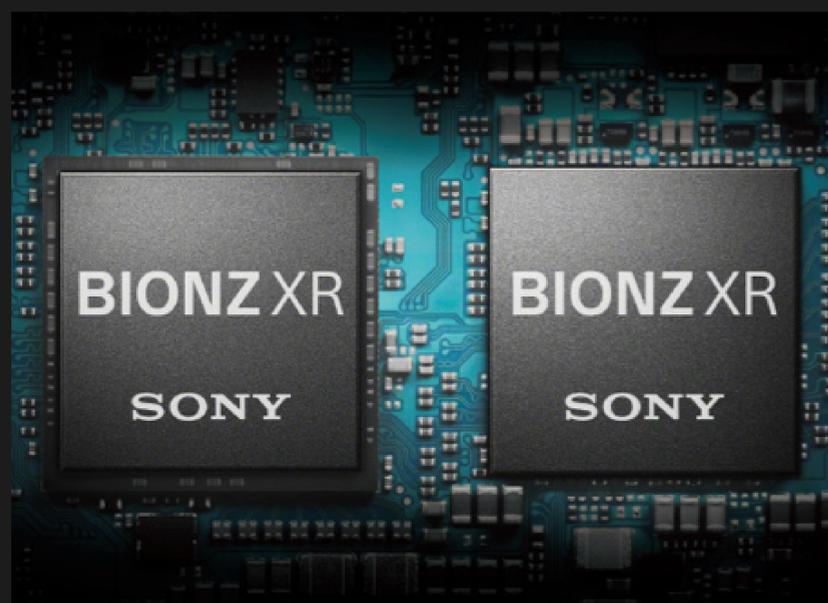
The PR1 features a back-illuminated full-frame image sensor with approximately 61 million effective pixels. Its high-quality, low-noise, and wide dynamic range imaging capabilities enable the detection of fine cracks and scratches during inspection and surveying processes.

## Reduced Operation Time



Thanks to the approximately 61-megapixel full-frame sensor, a single photo taken from high altitude can replace multiple photos taken by lower-resolution cameras.

## New BIONZ XR™ Image Processor



The advanced BIONZ XR™ image processor offers an 8x performance improvement over the previous generation. It reduces processing delays while enhancing video and still image processing, delivering exceptional image quality and rapid camera response.

## Efficient Shooting Performance



In single-shot mode, continuous triggering allows for a shooting interval of 0.8 seconds per photo. This ensures precise trigger control while improving shooting efficiency and reducing operation time.

## Independent Storage for Each Flight

The camera uses an external high-speed SD card as storage media, ensuring fast data writing and stable saving. POS information is written into photos in real time. Image data is stored independently for each flight, making it easier for users to categorize and manage data.



## Dual-Channel Camera Parameter Adjustment via Remote control or WiFi

Users can flexibly adjust camera parameters such as exposure, white balance, and ISO via remote control or WiFi. This adaptability allows the camera to meet the needs of various shooting environments. The DJI remote controller can directly adjust camera parameters in real time, or users can connect to the camera's WiFi and use a mobile phone to access the WEB interface for settings.

## 0.8-Second Minimum Shooting Interval

With the support of a high-speed SD card and a high-performance AI chip, the camera achieves a minimum shooting interval of 0.8 seconds. This feature enables efficient image data capture even at high flight speeds, making it ideal for dynamic scenes or situations requiring rapid capture of changes.



## 1080P Video Recording

In addition to static photo capture, the camera supports 1080P HD video recording. The powerful computing capabilities of the high-performance AI chip ensure smooth and clear video recording, even during high-speed motion.

## Technical Specifications

|                             |                                    |                           |                                  |
|-----------------------------|------------------------------------|---------------------------|----------------------------------|
| Dimensions (without gimbal) | 105×75×100 mm                      | Weight (without gimbal)   | 420g                             |
| Dimensions (with gimbal)    | 180×154×160 mm                     | Weight (with gimbal)      | 860g                             |
| Image Resolution            | 9504*6336                          | Pixel Size                | 3.7um                            |
| Total Pixels                | 61 MP                              | Minimum Exposure Interval | 0.8s                             |
| Sensor Type                 | Exmor R CMOS Sensor                | Sensor Size               | 35.7×23.8 mm                     |
| White Balance               | Auto/Shade/Cloudy/Daylight         | Shutter Speed             | 1/8000 to 1 second               |
| ISO                         | Auto or Fixed Mode (100–6400)      | Photo Size                | Large/Medium/Small               |
| Photo Format                | JPEG/JPEG&RAW/RAW                  | Image Quality             | Small/Standard/Fine/Ultra-fine   |
| Lens Type                   | Professional Prime Lens            | Focal Length              | Standard 35 mm, Optional 56 mm   |
| Video Recording             | Supports 1080P                     | Recording Format          | MP4                              |
| Data Storage                | External 256 GB High-Speed SD Card | Structural Performance    | Detachable E-mount Lens          |
| Power Supply                | External 12–30V                    | Image Transmission        | Dynamic HD Transmission          |
| POS Storage                 | Written into Photos in Real Time   | Camera Settings           | DJI Remote or WiFi WEB Interface |
| Trigger Method              | Manual/Auto Trigger                | Supported Drones          | DJI M300 Series, Other UAVs      |
| Humidity                    | ≤70%                               | Operating Temperature     | -10°C~50°C                       |

## Contact Us

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