

# RIY-M10P

## IMAGING INFINITE



High performance metric camera  
Powerful sensor in compact size, flawless details in any case

### Outstanding in every angle

All the outstandings are created for you



#### Medium Format CMOS

Medium format CMOS  
The largest coverage  
The highest dynamic range



#### Optical System

Self-developed MLE  
100MP ultra-high resolution  
Perfect balance of performance and weight



#### MS Shutter

Global mechanical shutter  
Superior carbon fiber material  
Minimize motion distortion



#### High Compatibility

Small and light  
Multiple communication protocols  
Easily integrated with mainstream UAVs



#### Stability

Specially designed core components  
Ensure long-term operation  
In every extreme environments



#### Software Support

Rainpoo supporting softwares  
Highly improve data acquisition efficiency  
Highly improve data processing

### Technical specifications

All technical details deliver high performance

Technical specifications	
Weight with X-port	950g
Dimension with X-port	207*156*176mm
Pixels	100MP
Pixel size	3.76μm
CMOS size	43.8mm*32.9mm
Min. exposure interval	0.5S
Storage capacity	512G*2
Data download	USB3.0
Focal length	60mm
Minimum focusing distance	20m
Aperture	F5.6
Power supply	Skyport
Operating temperature	-10°C-45°C
Data preprocessing software	Skyscanner for M10P/M10
Route planning software	Rainpoo Route Assistant

# Ultimate Optical Module

The ultimate materials and components



# Operation Efficiency

The visible efficiency, the reliable deliverables

Rotary drone+M10P				
GSD(cm)	1	1.5	2	3
Flight height(m)	160	240	320	480
Operational speed(m/s)	10	10	10	10
Coverage per flight(km <sup>2</sup> )	0.625	1.1	1.5	2.15
No. of images per flight	530	417	320	205
No. of flights per day	8	8	8	8
Coverage per day(km <sup>2</sup> )	5	8.8	12	17.2