# PSDK 102S V3



## OVERALL

**Name**
PSDK 102S V3
Size 120*120*83mm；
171*192*185mm(with gimbal)
**Weight**
610g；1100g(with gimbal)
**IP Rate**
IP5X
**Compatible Platform**
DJI M300 RTK、Other multi-rotor and fixed-wing UAVs
**Working Temperature**
-10℃-40℃
**Storage Temperature**
Temperature：-10℃-50℃；Humidity: 40%-50%
**Absolute Accuracy**
Horizontal: 3 cm, Vertical: 5 cm
* Using Mapping Mission at a GSD of 3 cm and flight speed of 15
m/s, with an 80% front overlap rate and a 70% side overlap rate.
**Power Supply**
External Power supply with DC 12-50V
**Interface**
DJI Skyport interface & General interface

## CAMERA

**Effective Pixels**
25 million (total 125 million pixels)
**Sensor Size**
Sensor size：23.1×15.4mm(APS-C)；
Pixel size：3.76μm
**Image Resolution**
6144×4096 px
**Acquired Data**
Images including GPS and camera parameter / POS file

**Focal length**
Fixed focus Side view:35mm Top-down view: 25mm
**Tilt Angle** 45 degree
**ISO Option**
50-200,50-400,50-640,50-800,50-1000,50-1600
**Shutter Speed**
1/500,1/640,1/800,1/1000,1/1250
**Aperture Size** Fix to F5.6
**Storage**
Removable storage module with capacity of 1280GB
**Exposure Interval** ≥0.5s
**Parameter Adjustment**
Support adjusting ISO, white balance ,color mode and shutter
speed through DJI Pilot
**Data Copying Speed** 300M/s
**Operating Mode**
Trigger by Flight Controller, Isometric photography, and
Isochronous photography

## GIMBAL

**Stabilization** System 3 axis (pitching, rolling or yawing )
**Installation** DJI Skyport or Common interface
**Movement Range** Pitching：-120°to +45°；Rolling：±45°；Yawing：±160°