Excellent Control, Stable Mastery

Handheld Ground Station · FPV & Datalink · RC Hobby

	UniRC 10 Pro	UniRC 7 Pro	UniRC 7	MK32	MK15
Screen					
Screen Size	10.1 inch	7 inch	7 inch	7 inch	5.5 inch
Resolution	1920*1200	1920*1200	1200*800	1080P	1080P
Brightness	2000 nit	1600 nit	1600 nit	1000 nit	1000 nit
Transmission					
Frequency	Triple-Frequency[1]	2.4G/5.8G	2.4G	5.8G	5.8G
Transmission	35-45 km	30-40 km	30-40 km	15 km	15 km
Operation					
Hall-Sensor Joysticks	✓	✗	✗	✗	✗
Switch	Main Joystick *2, Small Joy Stick *2, 3-Position Switch *6, Dial *2, Knob *2, Button *15	Main Joystick *2, Small Joy Stick *1, 3-Position Switch *2, Dial *2, Button *16	Main Joystick *2, Small Joy Stick *1, 3-Position Switch *2, Dial *2, Button *16	Main Joystick *2, 3-Position Switch *6, Dial *2, Knob *2, Button *2	Main Joystick *2, 3-Position Switch *2, Dial *2, Button *4
Functions					
Dual Control	✓	✓	✓	✓	✓
Hot-Swappable Battery	✓	✗	✗	✗	✗
In-Use Charging	✓	✓	✓	✗	✗
Dimensions	328.2*222.5*101.5 mm	274*190*100 mm	274*190*100 mm	308*148*72 mm	189*138*41 mm
Weight	2600 g (Include the Belly Rest)	1460 g	1440 g	1440 g	850 g
IP Level	IP54	IP54	IP54	IP4X	IP53

	FT24 RC	HM30	DK32S Data Transmission RC	2.4G Datalink
Transmission				
Frequency	2.4 G	5.8 G	2.4 G	2.4 G
Transmission	15 km	20 km	20 km	15 km
Functions				
Channels	12 Physical Channels 16 Communication Channels	16 Communication Channels	16 Physical Channels 16 Communication Channels	/
Dual Control	✓	✓	Multi-Drone Control [2]	✗
Relay	✓	✓	✓	✗
Wireless Training Mode	✓	✗	✗	✗
Dimensions	191*175*64 mm	109*61*28 mm	194.5*172.5*114 mm	49*31*13.5 mm
Weight	586 g (Without Battery)	132 g (Without Battery)	610 g (Without Battery)	35 g (Without Battery)

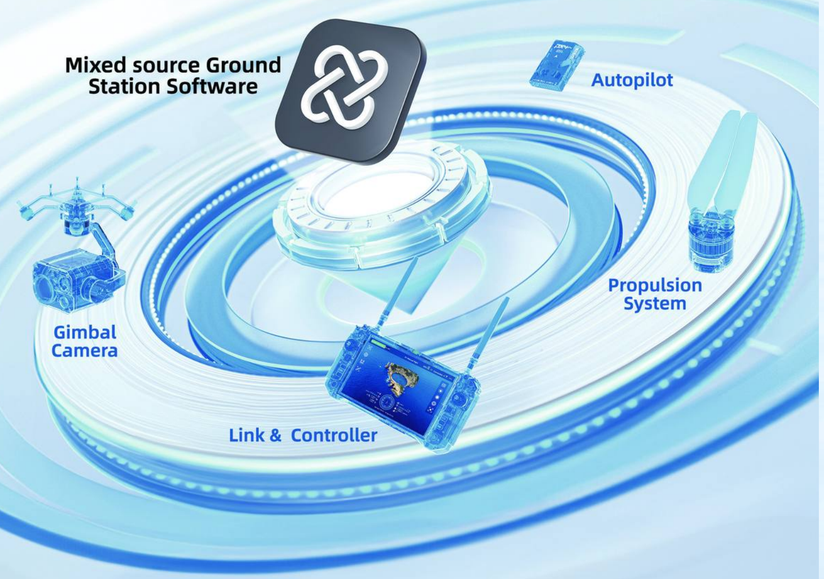
[1] The available operating frequency bands and ranges depend on the country/region and are governed by local laws and regulations.
[2] Require customized development.

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SIYI

SIYI ECOSYSTEM PRODUCT GUIDE

Product-Level Solutions, Empower Industries
Rapid Integration & Innovation.



Empower & Build an Intelligent Robotic Ecosystem.

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EO / IR / LRF Cameras

Optical Pod · Gimbal Camera · AI Tracking Module

	UniPod MT11 (10T AI)	ZT30	ZT6
Wide Angle Camera			
Image Sensor	3840*2160, 8000*6000	2560*1440	/
DFOV	84°	93°	/
Zoom/Fixed-Focal Camera			
Lens	11x Optical Zoom, 165x Hybrid Zoom	30x Optical Zoom, 180x Hybrid Zoom	Fixed Focal Length, 6x Digital Zoom
Effective Pixels	48MP	8MP	8MP
Photo Resolution	3840*2160, 8000*6000	3840*2160	3840*2160
Infrared Camera			
Digital Zoom	8x	2x	2x
Photo Resolution	640*512, 1280*1024@AI	640*512	640*512
Temperature Measurement Accuracy	High Gain: -20°C ~ +150°C Low Gain: 0°C ~ +550°C	High Gain: -20°C ~ +150°C Low Gain: 0°C ~ +550°C	High Gain: -20°C ~ +150°C Low Gain: 50°C ~ +550°C
Laser Rangefinder			
Measuring Range	5 - 1200 m	5 - 1200 m	/
General			
Dimensions	141.5*141.5*169 mm	134.5*140*201 mm	73.5*75*131.5 mm
Weight	405±5 g (Without the Quick Release Anti-Vibration Board) 533.5±5 g (With the Quick Release Anti-Vibration Board)	750±5 g (Without the Quick Release Anti-Vibration Board) 854±5 g (With the Quick Release Anti-Vibration Board)	177±5 g (Without the Quick Release Anti-Vibration Board) 197±5 g (With the Quick Release Anti-Vibration Board)
IP Level	IP54	IP4X	IP53
Installaton Method	Upright / Upside Down / Nose Mode	Upright / Upside Down / Nose Mode	Upright / Upside Down / Nose Mode



SIYI AI Tracking Module II

Computing Power: 10T

Support:
All SIYI 3-Axis Optical Pod

AI Tracking Objects:
License Plate / Insulator / IR / Box Select Fire / Smoke / Airplane/Boat

	ZR30	ZR10	A8 mini	A2 mini
Visible Light Camera				
Lens	30x Optical Zoom, 180x Hybrid Zoom	10x Optical Zoom, 30x Hybrid Zoom	Fixed Focal Length, 6x Digital Zoom	/
FOV	Horizontal: 58.1°	Diagonal: 69.5° Horizontal: 61.5°	Diagonal: 93° Horizontal: 81°	Horizoontal: 160°
Effective Pixels	8 MP	4 MP	8 MP	2 MP
Gimbal Camera				
Controllable Pitch Angle	-90° ~ +25°	-90° ~ +25°	-90° ~ +25°	-90° ~ +25°
Controllable Yaw Angle	-270° ~ +270°	-160° ~ +160°	-135° ~ +135°	/
Roll Angle	-45° ~ +45°	-30° ~ +30°	-30° ~ +30°	/
General				
Dimensions	132*101*180 mm	121*101*78 mm	55*55*70 mm	65*43*50 mm
Weight	668 g	381 g	95 g	85 g
Installation Method	Upright / Upside Down / Nose Mode	Upright / Upside Down Mode	Upright / Upside Down / Nose Mode	Upright / Upside Down Mode
Applicatons	Industrial UAV: Inspection / Security / Monitoring		Inspection / Competition / Aerial Imaging / Training	Agricultural UAV / Hydrometric USV

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Mixed-Source Ecosystem Autopilot

Flight Controller · RTK · GPS · Hall-Sensor Power Module · Airspeed

		N7	UniFC 6 PICO
Hardware	Main Processor	STM32H7 480MHz | 2M Flash | 1M RAM	STM32H7 480MHz | 2M Flash | 1M RAM
	Co-Processor	STM32F103	/
Sensors	Accelerometer /Gyro	Dual IMU Redundancy ICM45686 | BMI088 32G+ 4000 DPS | 16G+ 2000 DPS	Dual IMU Redundancy ICM45686 | BMI088 32G+ 4000 DPS | 16G+ 2000 DPS
	Barometer	Single Barometer MS5611	Dual Barometer ICP20100 | ICP20100
	Compass	IST8310	IST8310
Electrical Data	PWM Signal Voltage	3.3 V	3.3V / 5V Switching
	Dimensions	47*68*19 mm	49*42.6*16.2 mm
	Weight	57 g	40 g
	Operating Temperature	-20 - 65 ℃	-30 - 60 ℃
External Interface		4*UART Serial Port; 3*I2C; 1*PM Power Module Input; 1*CAN Port; 1*GPS & Safety Switch; 1*RC IN; 1*TF Card Slot	5*UART Serial Port; 3*I2C; 2*CAN Port; 14*PWM Output; 1*RC IN (SBUS、PPM); 1*PM Power Module Input; 1*USB Port (Type-C); 1*TF Card Slot; 1*Ethernet Port
Others	Protocol	Ardupilot、PX4	Ardupilot、PX4
	Model Type	Fixed-Wing | Multi-Rotor | Helicopter VTOL | UGV | USV	Fixed-Wing | Multi-Rotor | Helicopter VTOL | UGV | USV

NEW

UniGNSS M10
>> Global Navigation Satellite System Module

Satellite Receiver: u-blox M10 Compass: IST8310
Dimensions: 50.3*50.3*13.6 mm Weight: 31g
Satelite Systems: GPS. QZSS, GLONASS, BeiDou, Galileo

M9N GPS
>> GPS Module

Dimensions: 50*50*13.1 mm
Compass: IST8310
Satelite Systems: GPS, GLONASS, BeiDou, Galileo

Hall-Sensor Power Module
>> Wide-Voltage, High-Precision

Voltage Input Range: 7 ~ 100V
Current Detection Accuracy: ±0.1A
Power Module: 42.5*31.5*16mm
Hall Sensor: 25*25*9mm

Positioning & Orientation RTK
>> Full-System, Full-Frequency

Dimensions: 40*30.5*15 mm
Feature: Single-Module, Dual-Antenna Orientation
Satelite Systems: GPS, GLONASS, BeiDou, Galileo, QZSS

F9P RTK
>> Four-Satelite Multi-Frequency

Dimensions: 47*33*13mm
Feature: Dual-Module Direction Finding
Satelite Systems: GPS, GLONASS, BeiDou, Galileo

MS4525 Airspeed
>> Airspeed Measurement

Measurement Accuracy: ±0.25% SPAN
Operating Voltage: 4.5 ~ 5.5V
Dimensions: 25*16*13mm
Support: Ardupilot / PX4

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Mixed-Source Open Platform

Ground Control Software · AI Training Platform

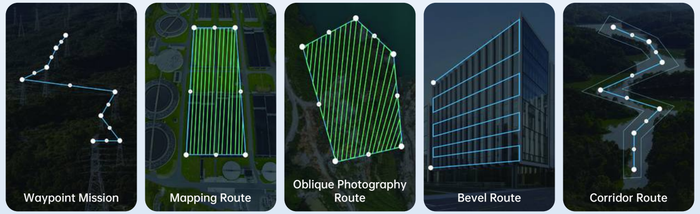
UniGCS

UI Optimization
Streamlined interface layout, more user-friendly operation logic.

One-Stop Tuning & Control
One software parameter tuning & control, completely replacing MP and QGC.

Various Intelligent Functions
AI Tracking, Integrated altitude data, Intelligent route, Geofence, Throwing device...

Mixed-Source, Multi-Model
Compatiblewith the Mavlink open-source ecosystem. Support UAV/UGV/USV Models.



UniAI Studio

On-Premise Deployment
Deploy locally without cloud integration for enhanced data security.

Zero-Code Training
Zero-code graphical operation, even beginners can get started easily!

Customize Exclusive Models
Customize and train exclusive AI models based on project requirements.



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Powerful Propulsion System

Motor · ESC · Propeller for Multi-Rotor Drone Propulsion Solution



Specifications	E3	E6	D6	E8
Max thrust (per motor)	2.2 kg	12.5 kg	6.5 kg	18.5 kg
Recommended thrust (per motor)	0.5~1 kg	3~6 kg	2 ~ 2.5 kg	5~8 kg
Thrust Efficiency[1]	9.5 g/w	7.0 g/w	9.3 g/w	8.5 g/w
Max Continuous Current[2]	40 A	70 A	23 A	80 A
Max Peak Current[2]	60 A	120 A	55 A	150 A
Battery	6 s	12-14 s	12~14 s	12-14 s
KV	350	155	130	110
Motor Stator Size	3510	6218	6210	8118
Compatible Frame Wheelbase	600 mm - 700 mm	Over 900 mm	Over 900 mm	Over 1200 mm
Shaft Diameter	/	φ30 mm	φ30 mm / φ25 mm	φ40 mm
Compatible Propeller	Folding Propellers	Folding Propellers	Folding/Fixed-Pitch Propellers	Folding Propellers
ESC Type	FOC	FOC	FOC	FOC
Signal Transmission	CAN / PWM	CAN / PWM	CAN / PWM	CAN / PWM
Propeller Size (Diameter * Pitch)	15.5*5.8	24*9.0	22*7.8	32*12.0
IP Level	IPX5	IPX6	IPX5	IPX6
Combo Configuration	Modular	Integrated Laminated Design	Integrated Laminated Design	Integrated Flat-Layout Design

[1] Power efficiency performance within specific thrust ranges. [2]Under conditions requiring good heat dissipation.



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