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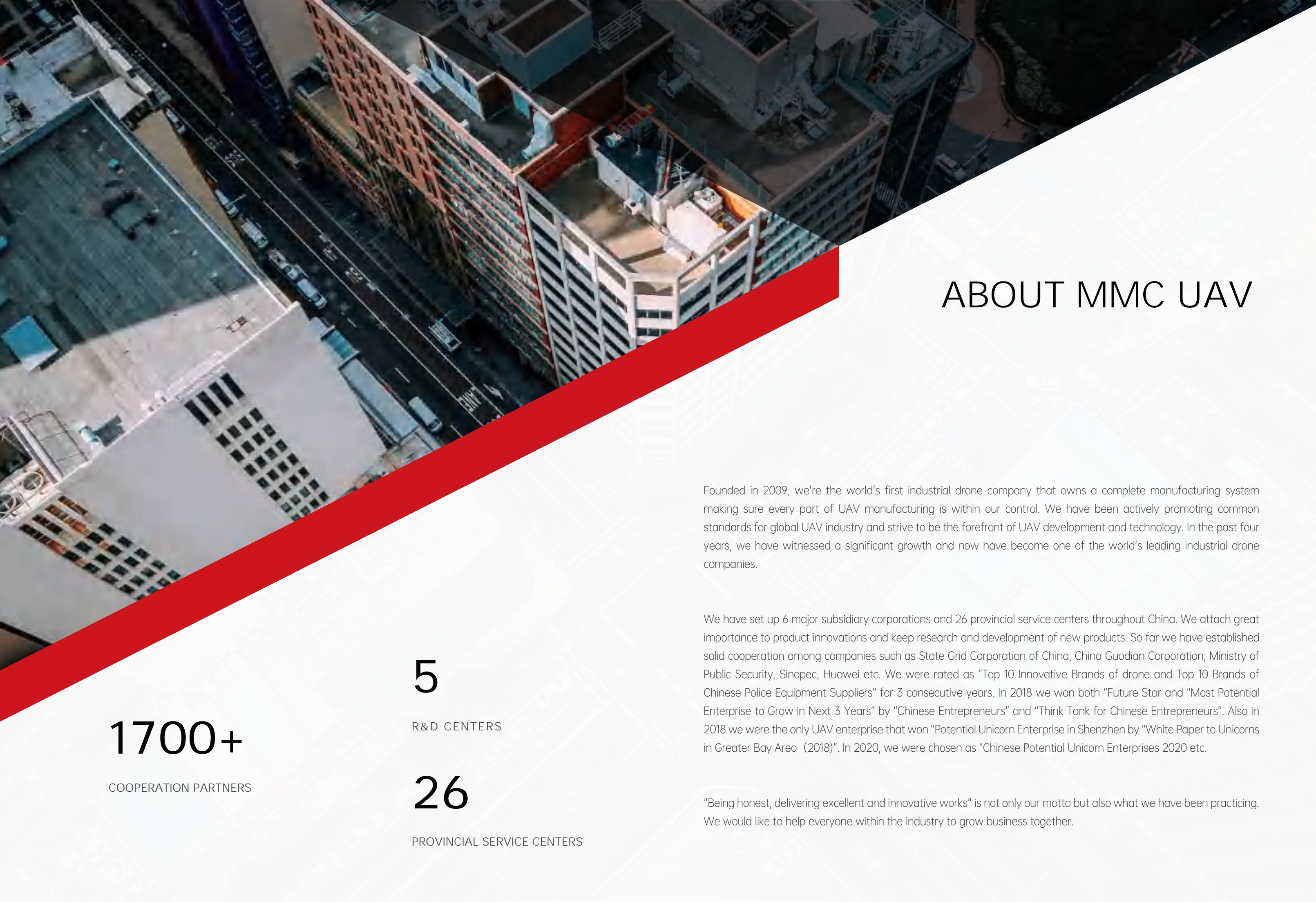
北京科比特天目科技有限公司

BEIJING MICROMULTICOPTER TIANMU TECHNOLOGY CO., LTD.

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“Conquer the Sky for Human's Good”

MMC UAV HAS BEEN INNOVATIVE IN THE ENTIRE PRODUCTION CHAIN
OF THE INDUSTRIAL DRONE SECTOR SINCE 2009.



ABOUT MMC UAV

Founded in 2009, we're the world's first industrial drone company that owns a complete manufacturing system making sure every part of UAV manufacturing is within our control. We have been actively promoting common standards for global UAV industry and strive to be the forefront of UAV development and technology. In the past four years, we have witnessed a significant growth and now have become one of the world's leading industrial drone companies.

We have set up 6 major subsidiary corporations and 26 provincial service centers throughout China. We attach great importance to product innovations and keep research and development of new products. So far we have established solid cooperation among companies such as State Grid Corporation of China, China Guodian Corporation, Ministry of Public Security, Sinopec, Huawei etc. We were rated as "Top 10 Innovative Brands of drone and Top 10 Brands of Chinese Police Equipment Suppliers" for 3 consecutive years. In 2018 we won both "Future Star and "Most Potential Enterprise to Grow in Next 3 Years" by "Chinese Entrepreneurs" and "Think Tank for Chinese Entrepreneurs". Also in 2018 we were the only UAV enterprise that won "Potential Unicorn Enterprise in Shenzhen by "White Paper to Unicorns in Greater Bay Area (2018)". In 2020, we were chosen as "Chinese Potential Unicorn Enterprises 2020 etc.

"Being honest, delivering excellent and innovative works" is not only our motto but also what we have been practicing. We would like to help everyone within the industry to grow business together.

1700+

COOPERATION PARTNERS

5

R&D CENTERS

26

PROVINCIAL SERVICE CENTERS

COOPERATION

COMPONENTS AND PARTS



We own a complete a complete manufacturing system making sure every part of UAV manufacturing is within our control. We offer uni-body carbon fiber frame, propulsion system, control system, data transmission system, ground controlling system, modular connection units, hydrogen products etc.



Dealership

DRONE SERIES



We cover many types of drones and among them, Skylle series, Notuzi series, Griflion series are the most outstanding ones. We're looking forward to different types of cooperation.



Joint-venture factory



OEM, ODM

SOLUTIONS



With the deep insight into industrial needs for drones, our products are born for these applications under specific conditions with high demands for response speed, inspection accuracy, remote scheduling, emergency response, etc. Additionally, we are open and offer all solutions to all players in the industry to build a new ecosystem "under drone plus/+."



Open-source Ecosystem

SERVICES



For better user experiences, we also offer drone services from SaaS to rental mostly inside the Chinese market to help customers achieve better success.



Drone Services

CORE TECHNOLOGY DERIVED FROM MMC UAV' S OWN R&D



INTEGRATE MOLDING CARBON-FIBER FRAME

Carbon-fiber has the characteristics of low density and high strength. Models using carbon-fiber have extremely light weight and are rain-proof, dust-proof and high-temperature resistant which greatly improves the flying ability of the drone.



FLIGHT CONTROL SYSTEM

Self-developed industrial-grade UAV flight controls system, which automatically maintains the aircraft standard flight attitude and planned flight routes, supports multiple sets of sensor redundancy-backup, and provides multiple guarantees for the flight safety of UAVs.



UNIVERSAL PAYLOAD CONNECTOR

The universal payload connector has a unified design standard, and the limitation of inorganic structure difference enables the quick installation and dis-assembly of the load, which greatly improves the work efficiency.



PROPULSION SYSTEM

MMC has a complete flight power system development technology, including smart batteries, motors, ESCs, propeller and related supporting products.



FLIGHT TEST TECHNIQUE

The structure and material strength of the drone can be tested separately. Including the static test of the frame, the dynamic test of the frame, the material strength test, the vibration test of the frame, the wind and water resistance test of the frame, etc., greatly improving the research and development speed and the flight safety factor.



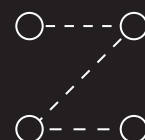
HI-RES VIDEO TRANSMISSION

The hi-res video transmission module includes the aircraft transmitter, the transmitter tuning module, and the ground receiver. It has the characteristics of simple operation, good compatibility Low power consumption long transmission distance, and high receiving sensitivity.



CONNECT DRONES TO CLOUD

Via the cloud dispatch management platform, real-time monitoring, management, scheduling, and visual command of UAVs connected to the platform can achieve efficient use of resources and play a major role in the construction of industry informatization.



DRONE INSPECTION AUTOMATED PROCESSING TECHNOLOGY

This technology allows data processing, summarizing and analyzing on raw data that has been generated for a certain assignment.



HYDROGEN FUEL DRIVEN TECHNOLOGY

MMC realizes the self-development of fuel cell stack core components, fuel cell lithium battery hybrid power System, hydrogen production and pressurization integrated system, UAV flight control, image transmission, integrated control core components and other products.

FOR ENTIRE PRODUCTION CHAIN

As a national high-tech enterprise with solid R&D capabilities and a strong industry background, MMC UAV has been growing rapidly especially after its successful acquisition of 13 different companies in the industry, which makes it the first Chinese industrial drone company that capable of manufacturing all parts of the production chain.



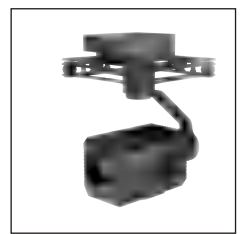
DRONE PLATFORM



SKYLLE II

Aircraft Type	Hexacopter
Wheelbase	1600 mm
Height	560 mm
Weight	8 kg
Propulsion:	
Battery Capacity	22000mAh × 12s × 2 semi fixed
Max. Take-Off Weight	27.2 kg
Max. Payload	10 kg
Cruise Speed	0 ~ 15m/s
No-load Weight	17.2 kg
Endurance	80 min
Max. Climb Speed	0 ~ 4m / s
Max. Climb AMSL	5000 m
Videp Transmitting Distance	20 km
Environment:	
Wind Resistance	12m / s(Level 6)
Working Temperature	-20°C ~ 65°C
Working Humidity	10% ~ 90% No Foresting
IP Rating	IP54
EMI	100A / m (PFMF)
Aircraft Material	Carbon Fiber

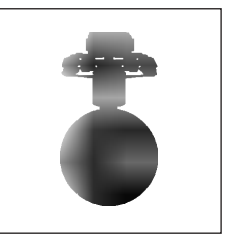
SKYLLE II COMPATIBILITIES



Thyea Z40



Thyea T2



Thyea ZT30N



Meteo S1



Thunder P3



Thunder P0 Pro



Cirrutitan



Nova L60



SKYLLE 1550

Aircraft Type	Hexacopter
Wheelbase	1550 mm
Aircraft Material	Carbon Fiber and Composite Materials
Height	580 mm
Body Packing	780 * 660 * 245 mm
Arm Packing	825 * 360 * 220 mm
Weight	6.5 kg
Propulsion:	
Max. Takeoff Weight	21 kg
Max. Payload	10 kg
Max. Climb Speed	4m / s
Cruise Speed	15m / s
Battery Capacity	5000mAh x 6S x 2 Lithium batteries
Endurance	75 min
Control Range	8.1km standard/20 km upgraded
Max. Altitude AMSL	5000 m
Flight Mode	Automatic, Manual
Home Point Return	One-Key Automatic Return, Automatic Return When Battery Low
Others	Automatic Takeoff, Autopilot, Black Box Recorder
Environment:	
Wind Resistance	12m / s(Level 6)
Working Temperature	-20°C ~ 65°C
Working Humidity	10% ~ 90% No Foresting
IP Rating	IP54
EMI	100A / m (PFMF)

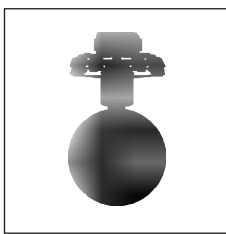
SKYLLE 1550 COMPATIBILITIES



Thyea Z40



Thyea T2



Thyea ZT30N



Thunder P0 Pro



Cirrutitan



Nova L60



Meteo S1



Thunder P3



SKYLLE P

Aircraft Type	Hexacopter
Wheelbase	1750 mm
Height	580 mm
Weight	11.5kg (Exclude battery)
Body Packing	860 * 750 * 390 mm
Arm Packing	1050 * 410 * 260 mm

Propulsion:	
Battery Capacity	25000 mAh×6S×4
Endurance (no load)	75 min
Endurance (10KG)	40 min
Endurance (15KG)	33 min
Weight	21.5 kg
Max.Takeoff Weight	36.5 kg
Max.Payload	15 kg
Cruise Speed	0~15 m/s
Climb Speed	0~4 m/s
Max.Altitude AMSL	5000m
Image Transmission Range	10 km
Datalink Range	20 km

Environment:	
Wind Resistance	12m/s (Level 6)
Working Temperature	-20°C ~ 60°C
Working Humidity	10%~90%, No Foresting
IP Rating	IP54
EMI	100A/m(PFMF)

Features

- Light weight packaging design with enhanced user experience
- Support BVLOS with transmission range up to 20 km
- Detachable easy-to-carry arm design that supports quick assembly and reduces overall packaging
- Ground control station supports one-key flight route planning to perform autonomous flights and manual ones
- Drone fuselage made of integrated molding carbon-fiber frame ensuring its high strength characteristics, high performance in protection against adverse environments, strong wind and dusty weather conditions
- Payload capacity up to 10 kg
- Universal payload connection supports various payloads (currently up to 25 types) and quick assembly



JADGER 2

Aircraft Type	Quadcopter
Wheelbase	300 mm
Height	150 mm
Dimensions	275*275*150 mm
Weight	1128 g

Propulsion:	
Propeller	4
Max.Control Radius	3.5 km
Battery	4625 mAh
Endurance (no load)	45 min
Hover	40 min

Environment:	
Wind Resistance	Level-6
Working Frequency	2.4GHz / 5.8GHz
Image Sensor	Sony 1"CMOS (20 million pixels)

Features

- Endurance up to 45min, hovering 40min
- 2.4/5.8Ghz dual frequency band for HD images with Max. distance up to 5km
- Foldable fuselage, easy to carry
- Super propulsion system with Max. speed up to 72km/h
- Max. 6K resolution, 20MP camera
- 4X digital zoom

Functionality

- One-Key Panorama
- Dolly Zoom
- Hyperlapse
- Auto Following
- Smart RTH



NOTUZI II

Aircraft Type	Quadrotor
Wheelbase Type	900 mm
Wingspan	1200 mm
Package Size	870 * 464 * 275 mm

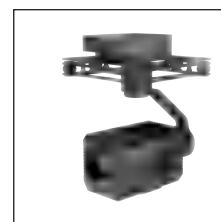
Power Details:

Max. Take-Off Weight	12 kg
Max. Payload	3 kg
Battery Capacity	22000mAh
Battery Dimensions	277 * 143.5 * 98 mm
Max. Climb Speed	5 m / s
Cruise Speed	0~20 m / s
Flight Duration	58 min
Image-Transmitting Distance	7000 m
Max. Climb Height	5 km

Environment:

Anti-Wind Capability	6-Class
Working Temperature	-20°C ~ 60°C
Waterproof and Dust-proof	≥IP54
Electromagnetic Interference	100A / m (PFMF)

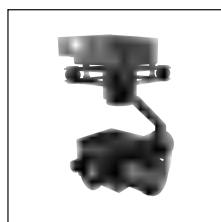
NOTUZI II COMPATIBILITIES



Thyea Z40



Thyea T2



Thyea ZT10



Thunder P0 Pro



Nova L60



NOTUZI B900

Aircraft Type	Quadrotor
Wheelbase Type	920 mm
Aircraft Height	500 mm
Package Size	750 * 640 * 410 mm
Weight	3.7 kg

Power Details:

Max. Take-Off Weight	9 kg
Max. Payload	3 kg
Battery Capacity	25000mAh Lithium
Endurance	48 min
Climb Speed	0~4m / s
Cruise Speed	0~15m / s
Max.Altitude AMSL	5000 m
Image Transmission Range	5 km
Positioning Systems	GPS, RTK

Environment:

Wind Resistance	10m/s(5-class)
Working Temperature	-20°C ~ 60°C
IP Rating	IP54

NOTUZI B900 COMPATIBILITIES



Thyea Z40



Thyea T2



Thyea ZT10



Thunder P0 Pro



Cirrutitan



Nova L60



GRIFLION M9

Aircraft Type	VTOL Fixed Wing
Aircraft Dimensions	3378 * 1500 * 500 mm
Package Dimensions	1350 * 600 * 450 mm
Power Details:	
Weight	15kg
Max. Payload	3 kg
Endurance	150 min
Max. Flight Distance	180 km
Lifting Rate	±4m / s
Cruise Speed	20m / s
Max. Altitude AMSL	4500m
Environment:	
Wind Resistance	6-class
Working Temperature	-20 ~ 60°C
IP Rating	IP45

GRIFLION M9 COMPATIBILITIES



Sony A7R2



Thyea X3



GRIFLION M8

Aircraft Type	VTOL Fixed Wing
Aircraft Dimensions	2400 * 1177 * 364 mm
Package Dimensions	1280 * 530 * 450 mm
Propulsion:	
Weight	4kg
Max. Takeoff Weight	7 kg
Max. Payload	1 kg
Cruise Speed	20 m/s (Economical Mode)
Max. Control Radius	15 km
Battery Capacity	25000 mAh 6s x1 piece
Endurance	150-190 min (SONY A7R2 Camera-150min)
Max.Flight Distance	170-210 km (SONY A7R2 Camera-170min)
Lifting rate	±4m/s (The sea level)
Max.Climb Height	4500 m
Environment:	
Wind Resistance	Level 6/flight,Level 5/take off and landing
Working Temperature	-20 ~ 60°C
IP Rating	54

GRIFLION M8 COMPATIBILITIES



Sony A7R2



Thyea X3



Multispectral cameras

GROUND CONTROL SYSTEM



ETLAS NEO II



Device Dimensions	307.5 * 407.5 * 102 mm
Device Wight	8.4 ± 0.3kg
Device Color	Black
Device Material	Aluminum Alloy+Rubber
Operating System	Windows 10 Professional 64 Bit
Platform	Intel Core i7
CPU Performance	Base Speed: 2.4Ghz, Cache 4MB
Memory	4GB, 8GB Optional
Storage	128GB SSD, Max. Expanding to 1TB
WIFI	Preinstalled
Sound Systems	Dual-Channel Speaker
SIM Slot	Standardized SIM Card. Not Nano SIM Card
USB Ports	USB 2.0 ×3
HDMI Port	USB turn HDMI device
Ethernet Port	RJ45
Megaphone Port	4-Pin Aerial Plug for Megaphone Payload
Software Controlling	12.1" HD Screen with Industry-Level High
LCD Screen	Brightness up to 1500 nits Resolution: 1280x800 10-Point-Responsive Capacitive Touch Screen
Imaging-Receiving	15.6" HD Screen with Industry-Level High
LCD Screen	Brightness up to 400 nits Resolution: 1920x1080 10-Point-Responsive Capacitive Touch Screen
Battery Capacity	18650 mAh Lithium
Battery Life	>4h
Charging Duration	3h
Working Conditions	Temperature: -20°C~+60°C Humidity: 90% without Frosting
Storage Conditions	Storage Conditions Temperature: -20°C~+70°C Humidity: 90% without Frosting
IP Rating	IP54

ETLAS MOBILE I



Device Dimensions	319 * 143 * 52 mm
Device Wight	1.2 kg
Device Material	Aluminum Alloy
Operating System	Android 7.1, Six-core processor
Display screen	7-inch touch screen
Battery	11.1V, 8000mAh
Ports Reserved	USB、HDMI、Micro SD、 Micro SIM、 UART
Communication Distance	5 km
Working Temperature	-20°C ~ 60°C

ETLAS MOBILE II



Model	Etlas Mobile II
Device Material	Plastic
Device Dimensions	218 * 106 * 32 mm
Screen	5.5" 1000cd/m², 1080P
Battery	Model 18650x2, Replaceable
Ports Reserved	Type C, TF Card
Imaging Transmission Frequency	2.4 GHz
WIFI Frequency	5.0 GHz
Imaging Transmission Distance	20 km
Audio	Speaker x1
Physical Controlling Parts	Joystick x2, Idler Wheel x3, Buttons x4, 3-Gear Switching x2
Imaging Transmission Delay	Min. 110ms

PAYLOAD



THYEA Z40



Device Dimensions	152.8 * 120 * 166.8 mm
Device Weight	600 g
Assemble	Detachable
Structural Rotation Range	Pitch: -130°~50°; Horizontal Roll: -75°~75°; Head:±175°
Static Control Accuracy	±0.01°
Dynamic Control Accuracy	±0.05°
Lens	40× Zoom in; Aperture: F1.8~F3.6
Video Resolution	4K:829W
Image Compressed Format	JPEG
Video Compressed Format	MPEG-4
Working Mode	Photograph, Video
Storage Card	SD Card (512M-2GB); SDHC Card (4GB-32GB); SDXC Card (48GB-128GB)
Working Temperature	-20°C ~ 60°C
Storage Temperature	-30°C ~ 70°C
Sensor	CMOS, 1/2.3"
Max. Zoom Limitation	40 Times
Resolution	25 MP

THYEA T2



Device Dimensions	152.2 * 138.9 * 93.4 mm
Device Weight	≤600 g
Static Control Accuracy	±0.01°
Dynamic Control Accuracy	±0.05°
Assemble	Detachable
Structural Rotation Range	Pitch: -130°~50°; Horizontal Roll: -75°~75°; Head: ±175°
Thermal Imaging Sensor	Uncooled VOx Micro Thermal Radiometer
Temperature Taking Range	-20°C ~ 150°C
Sensitivity	100mk@20°C
Thermal Imaging Lens	f=25mm
Zoom	4x Digital
Working Mode	Video Recording, Photography
Thermal Imaging Resolution	640 x 480
Max. Storage	32GB Micro SD Card
Other Functions	Palette
Working Temperature	-20°C ~ 60°C
Storage Temperature	-30°C ~ 70°C

THYEA Z30 RRO



Device Dimensions	170 * 30 * 213 mm
Device Weight	800 g
Assemble	Detachable
Gimbal Rotation Range	Pitch: -110°~10°; Horizontal Roll: ±40°
Static Control Accuracy	±0.02°
Dynamic Control Accuracy	±0.02°
Zoom	30X Zoom Optical / 16X Zoom Electronic
Optical Light Imaging	1 / 1.8 Super starlight
Video Resolution	1080P 60 / 1080P 30 / 2K 30
Pixels	400 W
Thermal Imaging Lens	f = 6.5 mm - 162.5 mm, F1.6 - 4.8
Min. Illuminance	0.03lux
Angle	-58.1° ~ 2.3°
Working Temperature	-20°C ~ 60°C

THYEA X6



Device Dimensions	149 * 156 * 174 mm
Device Weight	872 g
Working Temperature	-10°C ~ 50°C
Storage Temperature	-20°C ~ 60°C
Assemble	Detachable
Structural Rotation Range	Pitch: -90°~50°; Horizontal Roll: -75°~75°; Head: ±175°
Static Control Accuracy	±0.01°
Dynamic Control Accuracy	±0.05°
Optical Sensor	CMOS, 23.5x15.6mm
Camera	24.3 MP
Video Resolution	1080p, 1080i
Lens	E20mm F2.8 (Fixed-Focus Lens)
Storage	32GB or Higher
Working Mode	Video Recording, Photography

THYEA X7



Device Dimensions	186 * 215 * 222 mm
Device Weight	1.5 kg
Working Temperature	-10°C ~ 50°C
Storage Temperature	-20°C ~ 60°C
Static Control Accuracy	±0.01°
Dynamic Control Accuracy	±0.05°
Assemble	Detachable
Structural Rotation Range	Pitch: -130°~50°; Horizontal Roll: ±75°; Head: ±175°
Gimbal Rotation Range	Pitch: -100°~45°; Head: ±170°
Optical Sensor	CMOS, 35mm with Full Frame
Video Resolution	1080p, 1080i
Lens	SEL2870
Storage	Storage SD/SDHC/SDXC, Compatible with UHS-I Max. Storage up to 64GB
Working Mode	Video Recording, Photography
Camera	42.4 MP
Anti-Vibration	Digital Stabilization

THYEA R6

Pixel	1280 x 960
Field Angle	43.6°HFOV;33.4°VFOV
Wave Band Range	360~940nm (6 out of 17: 360nm, 410nm, 450nm, 490nm, 530nm, 555nm, 570nm, 610nm, 660nm, 680nm, 710nm (Narrow Band/Qualcomm), 760nm, 800nm, 840nm, 900nm, 940nm)
Max. Catching Rate	1.5s/One Time (At least 3 Tunnels of Working Wave Bands Selected) 1s/One Time (At most 3 Tunnels of Working Wave Bands Selected)
Optical Sensor	1/3" CMOS
Raw Resolution of Imaging	GSD: 7.5cm/pix, AGL: 120m
Storage	64GB
Image Compressed Format	8/16 bit, TIF Format
Device Size (No Gimbal)	77 * 72 * 47 mm
Weight	650g (No DLS)
Voltage	5.7V DC ~ 17V DC
Working Temperature	-10°C ~ 50°C



THYEA X2

Device Dimensions	190 * 180 * 85 mm
Device Wight	850 g
Working Temperature	-10°C ~ 40°C
Storage temperature	-30°C ~ 70°C
Optical Sensor Size	23.5 x 15.6 mm
Effective Pixel	120 MP
Lens Focus	20mm to Front View, 35mm to Side View
Shooting Interval	At Least 1s



THYEA X3

Device Dimensions	170 * 160 * 80 mm
Assemble	Detachable
CCD Quantity	5
CCD Size	23.5 x 15.6 mm
Pixel Dimension	3.92 um
Effective Pixel	120 MP
Min. Exposure Interval	≤0.8s
Exposure Mode	Fixed-Focus, Timing, Fixed-Point
Focus Distance	28mm / 40mm
Angle	45°
Working Temperature	-10°C ~ 40°C



THYEA ZT10

Device Dimensions	180 * 120 * 120 mm
Device Weight	600 g
Assemble	Detachable
Static Control Accuracy	±0.01°
Dynamic Control Accuracy	±0.05°
Zoom	Digital Zoom
Thermal Lens	19 mm
Gimbal Rotation Range	Pitch:-90°C ~ 30°C Horizontal Roll:±75° Head:±145°
Visible Light Zoom	6X
Visible Light Camera	8.3 MP
Visible Light Video Resolution	1080P
Visible Light Lens	5.4mm
Temperature Taking Range	0°C ~ 120°C
Thermal Imaging Resolution	640x480
Pixel Size	17µm
Working Temperature	-20°C ~ 50°C



THYEA Q30P

Image Sensor	SONY 1 / 2.8"Exmor R" CMOS
Optical zoom	40X, F4.3*129mm
Video Pixels	213 W
Video Resolution	1080P
Storage	128G
Tracking mode	Fixed-point target lock tracking Mobile target tracking



THYEA ZT30N

Device Dimensions	145 * 180 * 217 mm
Device Weight	1380 g
Assemble	Detachable
Structural Rotation Range	Pitch:-120°C ~ 30°C;Head:360°
Gimbal Control Accuracy	±0.03°
Zoom	Zoom Supported
Visible Light Image Sensor	1/2.8" Exmor CMOS
Visible Light Zoom	30X Optical
Visible Light Camera	2.13 MP
Visible Light Video Resolution	1080P,30FPS
Visible Light Lens	4.3~129.0mm
Image Compressed Format	JPEG
Anti-shake	EIS
Thermal Imaging Resolution	640 x 512
Thermal Lens	35 mm
Field Angle	7.5°x5.6°/12.5°x10°
Pixel Size	12µm
Thermal Sensitivity	≤50mk@25°C F#1.0 (≤40mk Optional)



THYEA QT30P

Image Sensor	SONY 1 / 2.8"Exmor R" CMOS
Optical Zoom	30X, F4.3*129mm
Video Pixels	213 W
Video Resolution	MP4 720P 25/30 fps or 1080P 25/30 fps
Infrared Lens Pixels	640 x 480
Infrared Electrons Zoom	1X~4X
Working Style	Uncooled longwave (8 µ m~14 µ m)



THYEA P20



Device Dimensions	132 * 110 * 204 mm
Device Weight	750 g
Assemble	Drawer type
Structural Rotation Range	Pitch: -110°~10°; Horizontal Roll: ±40°;Head: ±150°
Dynamic Control Accuracy	±0.02°
Lens	F1.6-F4
Zoom	f=6.7~125mm
Strong Light Suppression	HDR mode supported
Minimum Illuminance	0.0001Lux(F1.6, AGC ON)
Angle	Horizontal: 59.6° WIDE; 3.5° TELE Vertical: 35.7° WIDE; 2° TELE Focus: 66.6° WIDE; 4° TELE
Sensor	1/1.7" CMOS
Video Resolution	200W, 1920x1080, Full color
Max. Zoom	20X Optical Zoom

METEO S1



Device Dimensions	130 * 20 * 138.6 mm
Device Weight	860 g
Working Temperature	-20°C ~ 60°C
Storage Temperature	-30°C ~ 70°C
Max. Load	6 kg
Dropping Mode	Manual, Automatic
Video Resolution	30 W
Lens	f=3.6mm
Angle Adjusting Range	0° ~ 90°

THYEA Z33N



Device Dimensions	146 * 118 * 184 mm
Device Weight	645 g
Assemble	Detachable
Structural Rotation Range	Pitch: -120°~30°; Head: ±360°
Static Control Accuracy	±0.03°
Lens	F1.6-F4
Zoom	f=6.7~125mm
Strong Light Suppression	HDR mode supported
Minimum Illuminance	0.0001Lux(F1.6, AGC ON)
Angle	Horizontal: 59.6° WIDE; 3.5° TELE Vertical: 35.7° WIDE; 2° TELE Focus: 66.6° WIDE; 4° TELE
Sensor	1/1.7" CMOS
Video Resolution	200W, 1920x1080, Full color
Max. Zoom	20X Optical Zoom

METEO D4



Device Dimensions	105 * 105 * 62.1 mm
Device Weight	824 g
Working Temperature	-20°C ~ 60°C
Storage Temperature	-30°C ~ 70°C
Max. Load	8 kg
Dropping Mode	Manual, Automatic
Video Resolution	30W
Lens	f=3.6mm

MIYSIS M450

Device Dimensions	136 * 77 * 128 mm
Maximum Detection Distance	450m (reflectance 80%) / 190m (reflectance 10%)
Typical Operating Height	100 m
System Elevation Measurement Accuracy	10 cm
Device Weight	1.1 kg
Scan Angle	70.4° (horizontal) / 4.5° (vertical)
Ranging Accuracy	3cm@100m
IMU Update Frequency	600 Hz
Inertial Navigation Position Accuracy	Plane: 0.01 m
Inertial Aavigation Precision	0.04°
Inertial Pitch/Roll Accuracy	0.01°
GNSS	GPS、GLONASS、BEIDOU、GALILEO Sampling frequency 5HZ
Storage Capacity	256 G
Camera Pixels	2400 W
Spot Frequency	240,000 points/sec (single echo) / 720,000 points/sec (triple echo)



NOVA L60

Device Dimensions	128.9 * 130.8 * 206.5 mm
Device Weight	823 g
Operating temperature	-20°C ~ 50°C
Effective llighting distance	200 m
Anglead justment range	Pitch: -95°~20° / Horizontal Roll: ±90°
Spotlight	No Reflector
Mode	Solid on / Boom
Angle	15°
Power	120 W
Maximum luminous flux	13400lm±3%



THUNDER PO PRO

Device Dimensions	204 * 191.5 * 154 mm
Device Weight	835g
Color	Black
Effective call distance	600m
Maximum power consumption	100W
Wireless communication distance	5 km (open)
Maximum volume	15dB (From the bell 0.5m)
Radio frequency	433 MHz
Microphone parameters:	
Device Dimensions	120 * 55 * 32 mm
Device Weight	230g
Color	Black+Silver
Correspondence	5km
System	Simulation
Frequency	UHF 400-480 MHz
Battery Capacity	2800 mAh
Maximum power consumption	8w
Standby	2-5 day
Environment:	
Operating temperature	-20°C ~ 60°C
Storage temperature	-30°C ~ 70°C



THUNDER P3

Device Dimensions	140.55 * 101.3 * 181 mm
Device Weight	650 g
Max. Voice Volume	130dB
Audible Distance	500m
Angle Adjusting Range	0° ~ 90°
Audible Style	Real-time shouting, Recording upload, Audio file playback, Background music, Text-to-speech (support multiple dialects)
Communication Link	LTE network link / Drone private network
Audio Format	mp3 / wav / m4a / flac / aac
APP Support	CZI
Maximum power consumption	25W
Environment:	
Operating temperature	-20°C ~ 40°C



SNIFER G6

Device Dimensions	125.35 * 103 * 153 mm
Device Weight	550 g
Detect The Type of Gas	PM2.5,PM10,SO2,CO,NO2,O3,VOCs, CxHy,H2S,NH3,HCl,CO2,H2,CL2,PH3
Operating Temperature	10°C-30°C
Storage Temperature	-10°C-30°C
Communication Capabilities	4G \ 3G \ EDGE \ GPRS



CIRRUTITAN 12S

Device Dimensions	200 * 80 * 88 mm
Device Weight	< 620g
Operating Temperature	380~420V DC
Output Voltage	50±5%V DC
Output Power	Rated power: 3000W / Maximum Instantaneous Power: 5000W
Insulation Resistance	≥10MΩ (500V DC)
Insulated Withstand Voltage	≥2000V DC
Protection Features	Output Overvoltage Protection / Output Overcurrent Protection / Output Short circuit Protection / Overtemperature Protection
Cable Length	120m
Cable Outer Diameter	≤4.5mm
Cable Tension Resistance	≥1000N
Cable Density	22g/m
Operating Temperature	-20°C ~ 60°C
Storage Temperature	-30°C ~ 70°C
Operating Altitude	< 5000m
Cooling Mode	Forced air cooling



JAMMING SYSTEM

MSHIELD B-120G



Device Dimensions	760 * 230 * 80 mm
Device Weight	4.5 kg Main Part
Communication Frequency	(900~938)±5MHz (1559~1590)±5MHz (2400~2500)±5MHz (5725~5885)±5MHz
Antenna	Fixed Frequency Antenna
Battery	High Quality Battery
Battery Life	1100min~120min
Effective intercept range direction	≥1000m

MSHIELD B-120G



Device Dimensions	Height 425mm;Diameter 595mm
Device Weight	30 kg
Detection Module Frequency for Communication Frequency	100 MHz-6 GHz
UAV Countermeasure Module Frequency	900 MHz,1.5 GHz,2.4 GHz,5.8 GHz,etc.
Power	Detection Power≤50W
Countermeasure	Power≤1000W
Battery	High Performance Battery for Power Supply System
Battery Life	≥180min
Dust-proof, Water-proof	IP65
Working Environment Temperature	-20°C ~ 60°C
Power Source	220V,AC

MSHIELD B-120D

Device Dimensions	565 * 430 * 570mm, Main Part
Device Weight	40kg, Main Part
Communication Frequency	(890~940)±10MHz (1550~1625)±10MHz (2400~2500)±10MHz (5700~5850)±10MHz
Power	680W
Antenna	Fixed Frequency
Effective Intercept Direction	0 °~360 °; Pitch 0 ° ~ 70 °
Max. Effective Intercept Distance	≥3 km (Clear Space)
Working Environment Temperature	-20°C~60°C
Power Source	220V, AC



MSHIELD A-TDOAX1B

Device Dimensions	260 * 260 * 237mm
Device Weight	10 kg
Navigation Frequency	100 MHz~6 GHz
Communication Frequency	100 MHz~6 GHz
Power	≤50W
Antenna Broadbano	Full Frequencies (All Directions)
Detector Angle	360°
Max. Effective Intercept Scope Distance	≥5 km (Clear Space) ≥2 km (Urban)
Working Environment Temperature	-10°C~55°C
Power Source	220V, AC; 12V DC



MSHIELD A-TDOAX1A

Device Dimensions	20 * 260 * 76mm
Device Weight	4.5 kg
Navigation Frequency	100 MHz~60 GHz
Communication Frequency	100 MHz~60 GHz
Power	≤50W
Antenna Broadbano	Full Frequencies
Target Detective within	≥10
Effective Intercept Scope	≥5 km (Clear Space) ≥2 km (Urban)
Dust-proof, Water-proof	IP 67
Working Environment Temperature	-20°C~55°C
Power Source	220V, AC; 12V DC



MSHIELD B-100P

Device Dimensions	240 * 66 * 48mm
Device Weight	750 g (Battery Inside)
Communication Frequency	900 MHz, 1.1 GHz, 1.2 GHz, 1.4 GHz, 2.4 GHz, 5.8 GHz
Antenna	Different Antennas Available
Working Endurance	4h
Effective Intercept Scope	0°~360°
Max. Effective Intercept Distance	1500 m (Clear Space, No Strong EMI Around) 800 m (Urban, Strong EMI Around)
Working Environment Temperature	-30°C~75°C
Power Source	Type-C



VANGUARD MOBILE CONTROL AND COMMAND VEHICLE(MCCV)

Chassis Type	Naveco
Chassis Standard	National Standard Level 6
Engine Capacity	2998 mL
Fuel	Diesel
Vehicle Size	5995 x 2425 x 3460 mm
G.W.	4490 Kg
N.W.	4360 Kg
Nominal Passenger Containing	3
Wheelbase	3300
Max.Speed	130 km/h
Fuel Consumption	11.3
Tyre	6
Tyre Type	195 / 75R 16LT
Approach Angle	23
Departure Angle	11

Features

- **Controlling Devices:** Operating Rod Controlling Center In-Car Server
- **Communications Supporting:** 5G Router, HD Image-Transmitting System
Network deployment device (Optional)
- **Display Screen:** Four 21 Screens 3.7 m Waterproof LED Screen
- **Device Storage:** UAV Takeoff-Landing PlatformUAV Storing Chest,
Battery Storing Chest, Slideway Payloads Shelf
- **Relative Device:** Weather Station Surveying&Mapping System HD Zoom
Monitoring Camera High Mast Lighting on-car Head Air
Conditioner , Electrical Sunshine Board External Speaker
in-car Generator, Video Live Broadcasting Terminal,
Mooring Ground Terminal



MARSTATION DRONE BOX

Device Dimensions	1900 * 1815 * 1215 mm
Device Weight	≤500 kg
Main Material	Aluminum, Steel
Waterproof	IP54, Anti-Lighting, Anti-Heavy Rain
Working Temperature	-20℃ ~ 65℃
Mainly Composed Unit	Cover, Protecting Structure
Lift Platform	Drone Takeoff and Landing
Drone-Centered Unit	Used to charge drones
Maintenance	Side Door and Back Door Openable to Repair Parts Inside Camera Inside Device
Camera	Warning Mark on Parking Apron
Safety Warning	6
Panel with Ports	Air Conditioning Starts When High Temperature Detected
Active Cooling Policy	Smoke Sensor, Auto Electricity Cut Off 60min Battery Life In Case of Power Failure
Protection Policy	
UPS System	

Features

- All sensor's data accessible remotely
- Temperature sensor. Autonomous power off in case of overheat inside drone hangar.
- Water Logging Sensor. Autonomous power off in case of water logging drone hangar.
- Breaker. Autonomous power off in case of short circuit.
- 4 external alarm indicators. Alarm on during hangar door closing and opening.
- Voice feedback on current operation.
- Steel structure in the hangar bottom loading-carrying capability for forklift to move.

ACCESSORIES



TS 22000

- Quick release design
- Real time voltage, current and battery indication
- Short-circuit and overheat protection
- Self balance function to discharge when not in use
- Real-time communication with flight control to calculate remaining flight time
- Equipped with battery charging distributor to alternatively charge 4 batteries



M6010

Max. Tension	4.3kg / Axle (22.2V, Sea Level)
Recommended Battery	6S LiPo
Recommended Takeoff Weight	1.5-2.5 kg / axle (sea level)
Max. Allowable Voltage	28 V
Max. Allowable Current	15 A
Working Temperature	-10 ~ 50°C
Stator Size	60 x 10 mm
KV value	270 RPM / V
Weight	222 g



TRITON W2

Dimensions	268 * 140 * 127 mm
Weight	3.1 kg
Functioning Pattern	Charging Mode / Storage Mode
Battery Type	LiPo / LiHv
Battery No	2s ~ 6s
Input Voltage	AC 200~240 V
Charging Power	1200W(600W×2)
Discharge Power	70W(35W×2)
Balanced Current	1.5A / Each

M8108

Max. Tension	7.4kg / Axle (44.4V, Sea Level)
Recommended Battery	12S LiPo
Max. Allowable Voltage	52.2 V
Recommended Takeoff Weight	3.5-4 kg / axle (sea level)
Max. Allowable Current (Continuous)	17 A
Working Temperature	-10-50 °C
Weight	225 g
Stator Size	81×8 mm
KV value	115 RPM / V
Available Types	115 KV / 135 KV / 150 KV



TRITON W8

Dimensions	270 * 190 * 168 mm
Weight	4.6 kg
Functioning Pattern	Charging Mode / Storage Mode
Battery Type	LiPo / LiHv
Battery No.	2s ~ 6s
Input Voltage	AC200V
Charging Power	1200W
Discharge Power	280 W (35W×8)
Balanced Current	1.5A / Each



M5210

Max. Tension	4.3kg / Axle (24V, Sea Level)
Recommended Battery	6S LiPo
Max. Allowable Voltage	28 V
Recommended Takeoff Weight	1.6-2.2 kg / axle (sea level)
Max. Allowable Current (Continuous)	15 A
Working Temperature	-10-50 °C
Weight	182 g
Stator Size	51.8×10 mm
KV value	270 RPM / V

