MUS SYS

SM-D120

Extreme Environment Resilience



AIRCRAFT PARAMETERS

Diagonal wheelbase	1650 mm
Material Science	Carbon fiber and aluminum
Dimensions after folding	700x500x120mm
ARF weight	22.8kg
MTOW	45kg
Maximum payload	20kg
Effective flight time	50min@5kg/30min@10kg/15min@20kg
Maximum wind resistance	12m/s
Optimal cruise speed	55km/h
Operating temperature	-15~55℃
Service ceiling	3500m

PERFORMANCE

- **Heavy-Duty Performance**
  - Experience a massive 20kg maximum payload capacity powered by a high-strength carbon fiber and aluminum frame.
- **Extended Operational Range**
  - Command missions with confidence up to 8 kilometers away using a professional 7-inch high-brightness touchscreen controller.
- **Exceptional Flight Endurance**
  - Achieve up to 50 minutes of effective flight time, optimized for high-efficiency cruising at 55km/h.
- **Extreme Weather Resilience**
  - Engineered to operate in temperatures from -15°C to 55°C and withstand challenging wind speeds up to 12m/s.

REMOTE CONTROL PARAMETERS

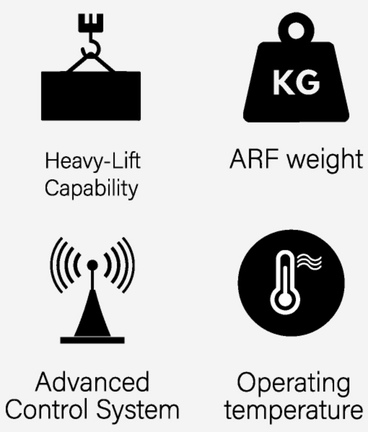
Overall

Max Transmission Range	8 kilometers (unobstructed, free of interference)
Frequency	2.4GHz
Channels	13 physical channels, 16 communication channels
Compatible Windows GCS (standard RTSP video stream)	Mission Planner

Remote Controller

Monitor	7-inch 1920 x 1200 high-brightness touch screen
System	Android
Weight	850 g
Battery Capacity & Type	10200 mAh 7.4 V 2S Li-ion, 75.48 Wh
Fast Charging Protocol	PD 30W

CAPABILITIES



Heavy-Lift Capability

ARF weight

Advanced Control System

Operating temperature

SYSTRONICS Driving *Digital* Solutions

Systronics Co., Ltd. is a manufacturer and distributor of unmanned aircraft systems in Thailand, We are dedicated to advancing technologies and services for both public and private sectors.

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