Overall

Max Control Range	3.5 km (Agriculture spraying altitude: 3 to 6 m) (Unobstructed, free of interference)
Channels	13 physical channels 16 communication channels
Datalink Compatible Flight Controllers	PX4 / Ardupilot Open-source Flight Controllers: - SIYI N7 Agriculture Flight Controllers: - BOYING Paladin V2 - JIYI K++ V2 / K3A Pro - VK V7AG / V9AG
Video Stream Compatible Android App	SIYI Original App: - SIYI FPV Open-source GCS: - QGroundControl - Mission Planner Agriculture GCS: - BOYING Agriculture - JIYI Agri-Assistant / IFLY

- BOYING Agriculture
- JIYI Agri-Assistant / IFLY
- VK Agriculture

Video Stream Compatible Windows GCS	Open-source GCS: - QGroundControl - Mission Planner (H264 only)

Ground Unit (Remote Controller)

Monitor	5.5-inch High Definition and High Brightness LCD Touchscreen
System	Android 9.0 OS 2G RAM, 16G ROM
Battery Capacity & Type	10200 mAh 7.4V 2S Li-ion, 75.48 Wh
Fast Charging Protocol	PD 20W
Charging Tme	5 hours (PD 20W)
Battery Life	13 hours
Antenna Gain	Omni Antenna: 5 dBi Long Range Antenna: 11 dBi (included in enterprise edition) Lollipop Antenna: 5 dBi (optional)

Interface & Ports	Video Output: Standard HDMI *Enterprise edition only
	External Device (Mouse, USB Disk): USB-A
	Charging: Type-C Firmware
	Upgrade: Upgrade Port (Bottom GH1.25 4Pin)
	File Transfer: Type-C / USB-A
	Mobile Network: SIM Card Slot
	External Storage: TF Card Slot
	Tripod Mount: 1/4-inch Standard Screw Hole
Dimensions (Antenna Overlapped)	189 x 138 x 41 mm
Weight (Antenna Overlapped)	850 g
Waterproof Level	IP53
Working Temperature	-10℃ ~ 50℃

Air Unit

Signal Output	16 channels of SBUS 5 channels of PWM
Interface & Ports	S.Bus RC Signal Output: RC (GH1.25 3-Pin) Datalink (to FC): UART (GH1.25 4-Pin) PWM Channel 1 to 5: PWM (GH1.25 6-Pin) Video Input / Network Communication: LAN (GH1.25 8-Pin) Firmware Upgrade: Type-C
Antenna Gain	Omni Antenna: 5 dBi Lollipop Antenna: 5 dBi (optional)
Working Voltage	MK15 Air Unit (included in MK15 agriculture edition): 4S ~ 18S / 16.8 ~ 75.6 V (Early manufacturing lots support only 6S to 14S, please carefully confirm) HM30 Air Unit (included in MK15 enterprise edition and MK32): 3S ~ 6S / 12.6 ~ 25.2 V (Early manufacturing lots of MK15 enterprise edition came with MK15 air unit) (Early manufacturing lots of HM30 air unit support only 3S to 4S, please carefully confirm) 4S to 18S Power Module (included in MK15 enterprise edition and MK32): 16.8 ~ 75.6 V

Power Consumption	MK15 Air Unit (included in agriculture edition): - Average: 3.2 W - Summit: 12 W HM30 Air Unit: - Average: 2.8 W - Summit: 12 W HM30 Air Unit + 4S to 18S Power Module: - Average: 3.2 W - Summit: 12 W
Dimensions (Antenna excluded)	70 x 55 x 16 mm (fan included)
Weight (Antenna excluded)	MK15 Air Unit (included in agriculture edition): 100 g HM30 Air Unit: 74 g HM30 Air Unit + 4S to 18S Power Module: 109 g
Working Temperature	-10℃ ~ 50℃

IP67 FPV Camera (Optional, packed with MK15 Agriculture FPV Combo)

Camera Angle	FOV 120°
Working Voltage	12 V
Power Consumption	LED OFF: 3 W LED ON: 8 W
Luminous Flux	1 W / 120 ~ 140 lm
LED Type	Transparent
LED Angle	120°
Waterproof Level	IP67 (Early manufacturing lots supported IP65 only, please carefully confirm)
Dimensions	106 x 25 x 41 mm
Weight	106 x 25 x 41 mm
Working Temperature	-10 ~ 50℃

R1M Recording FPV Camera (Optional, packed with both HM30 combos)

Video Output Port	Ethernet
Image Sensor	1/2.9 Inch, 2 MP
FOV	Diagonal: 90° Horizontal: 80°
Working Voltage	12 V
Power Consumption	2.5 W
Video Recording Resolution	1080p (1920*1080) @ 30 fps 720p (1280*720) @ 30 fps
Recording Bitrate	12 Mbps
Video Recording Format	MP4
Supported TF / SD Card Type	MicroSD Class10 Less than 32GB
File Storage Format	FAT32
Dimensions	42 x 42 x 25 mm