

Channels

16 physical channels

16 communication channels

PX4 / Ardupilot Open-source Flight Controllers:
SIYI N7, etc.

Datalink Compatible Flight Controllers

Agriculture Flight Controllers:
BOYING Paladin V2
JIYI K++ V2 / K3A Pro
VK V7AG / V9AG

SIYI Original App:
SIYI FPV

Video Stream Compatible Android GCS

Open-source GCS:
QGroundControl
Mission Planner

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

Video Stream Compatible Windows GCS

Open-source GCS:
QGroundControl
Mission Planner (H264 only)

Remote Controller (Ground Unit)

Monitor	7-inch High Definition and High Brightness LCD Touchscreen
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System	Android 9.0 OS 4G RAM, 64G ROM
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Battery Capacity & Type	10200 mAh 7.4V 2S Li-ion 75.48 Wh
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Fast Charging Protocol	PD 30W
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Charging Time	3.5 hours (PD 30W)
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Battery Life	10 hours
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Antenna Gain	Omni Antenna: 5 dBi Long Range Antenna: 11 dBi Lollipop Antenna: 5 dBi (optional)
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Interface & Ports	Video Output: Standard HDMI External Device (Mouse, USB Disk): USB-A Charging: Type-C Firmware Upgrade: Type-C File Transfer: Type-C / USB-A Mobile Network: SIM Card Slot External Storage: TF Card Slot / USB-A
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External Storage: TF Card Slot / USB-A
Communication Port: LAN (Ethernet)
RC Signal Input / Output: Bottom Audio Port

Dimensions (Antenna Overlapped) 308 x 148 x 72 mm

Weight (Antenna Overlapped) 1440 g

Waterproof Level IP4X

Working Temperature -10°C ~ 50°C

Air Unit

Signal Output
16 channels of SBUS
5 channels of PWM

Interface & Ports
S.Bus RC Signal Output: SBUS (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

HM30 Air Unit:
3S ~ 6S / 12.6 ~ 25.2 V

4S to 18S Power Module:
16.8 ~ 75.6 V

Power Consumption

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)

HM30 Air Unit:
74 g

HM30 Air Unit + 4S to 18S Power Module:
109 g

Working Temperature

-10°C ~ 50°C

Air Unit HDMI Input Converter (Optional, packed with MK32 / MK15 HDMI combo)

Video Input	Micro HDMI
Video Output	Ethernet
Working Voltage	12 V
Power Consumption	3 W
Video Recording Resolution	1080p (1920 × 1080) @ 30 fps 720p (1080 × 720) @ 30 fps
Video Storage Birate	12 Mbps (H265 codec)
File Storage Format	FAT32
Video Recording Format	H265
Supported TF / SD Card Type	MicroSD Class10, Less than 32GB
Dimensions	42*41*11 mm
Weight	26 g
Working Temperature	-10°C ~ 50°C

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