

PRODUCT CATALOGUE

Industrial UAV Video & Data Links



Verolink[®]

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LONG-RANGE WIRELESS LINKS FOR SERIOUS MISSIONS

Verolink is a dedicated provider of long-range wireless video and data links for industrial UAVs and unmanned systems. Built on field-proven RF engineering, Verolink products deliver stable, low-latency communication over demanding distances from 60 to 300 km.

With a focused lineup across 1.4 GHz video links and 900 MHz telemetry radios, Verolink enables reliable mission performance for inspection, mapping, security, coastal patrol and remote asset monitoring.

Our goal is simple: keep your link strong from takeoff to landing.



UAV Video & Data Transceiver	Verolink	1.4G / 1.4&1.7GHz dual	2W/5W/10W/20W/40W
	C-Link	800MHz/1.4GHz/2.4GHz	2W/ 5W/ 10W
Robot Video & Data Transceiver	M025A	330MHz,440MHz,570MHz	1W
	M033A	300~800MHz	1W / 2W
Wireless Data Link	P840	840~845MHz	1W
	T900	902~928MHz	1W / 10W
UAV Jammer	UAV-J007A	430MHz ~ 450MHz 830MHz ~ 940MHz 1100MHz ~ 1280MHz 1400MHz ~ 1500MHz 1550MHz ~ 1620MHz 2400MHz ~ 2500MHz 5150MHz ~ 5350MHz 5720MHz ~ 5850MHz	10W / 30W

Verolink P33



Product Feature

- Background noise detection
- Adaptive modulation mode (Auto MCS)
- Automatic selection of dual antennas
- Simultaneous use of multiple devices
- Automatic channel selection within 120MHz

Transmission distance

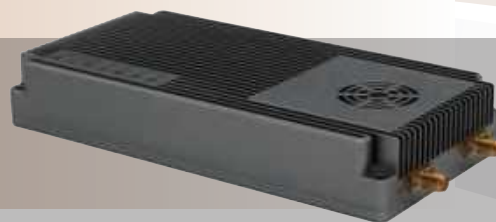


60KM

Product parameter

System parameter	Technical index
Equipment type	P33
Working frequency	1350~1470MHz,2100~2400MHz ,2180~2300MHz
Radio frequency channel	2T2R
Output power	33dBm (2W)
Channel bandwidth	10MHz
Modulation mode	QPSK,16QAM
Maximum rate	17Mbps@16QAM3/4
Communication encryption	AES256
Transmission delay	≤10ms
Radio frequency interface	SMA*2
Device interface	Ethernet*2,TTL/RS232*2,RS422*1,SBUS/TTL*1
Power consumption	Air unit ≤25W Ground unit ≤10W
Dimension(L*W*H)	148mm*65mm*17mm
Weight	208g
Working voltage	DC 9~26V, Typical: 12V@3A
Working temperature	-40~+75℃

Verolink P37 / P39



Product Feature

- Background noise detection
- Adaptive channel selection(ACS)
- Uplink and downlink bandwidth dynamic allocation
- Automatic repeater function
- Support ARQ of physical lay

Transmission distance



100KM

Product parameter

System parameter	Technical index
Equipment type	P37/P39
Working frequency	1350~1470MHz
Radio frequency channel	2T2R
Output power	37dBm (5W) / 39dBm(8W)
Channel bandwidth	10MHz
Maximum rate	17Mbps@16QAM3/4
Communication encryption	AES256
Transmission delay	≤10ms
Radio frequency interface	SMA*2
Power interface	XT30PW-M
Device interface	Ethernet*2,TTL/RS232*2,RS422*1,SBUS/TTL*1
Power consumption	Air unit≤40W Ground unit≤12W (P37) Air unit≤48W Ground unit≤12W (P39)
Dimension(L*W*H)	163mm*77mm*25mm
Weight	340g
Working voltage	DC 22~30V, Typical: 24V@2A
Working temperature	-40~+75℃

Verolink P40



Product Feature

- Background noise detection
- Adaptive channel selection(ACS)
- Long distance and large bandwidth transmission
- Automatic repeater function
- AES256 encryption

Transmission distance



150KM

Product parameter

System parameter	Technical index
Equipment type	P40
Working frequency	1350~1470MHz,1700~1760MHz
Radio frequency channel	2T2R
Output power	40dBm (10W)
Channel bandwidth	10MHz
Modulation mode	QPSK,16QAM
Maximum rate	16Mbps@16QAM3/4
Communication encryption	AES256
Transmission delay	≤10ms
Radio frequency interface	SMA*2
Power interface	XT30PW-M
Device interface	Ethernet*2,TTL/RS232*2,RS422*1,SBUS/TTL*1
Power consumption	Air unit ≤66W Ground unit ≤15W
Dimension(L*W*H)	180mm*81mm*28mm
Weight	415g
Working voltage	DC 22~30V, Typical: 28V@3A
Working temperature	-40~+65℃

Verolink P43



Product Feature

- Background noise detection
- Adaptive channel selection(ACS)
- Long distance and large bandwidth transmission
- Automatic repeater function
- AES256 encryption

Transmission distance



200KM

Product parameter

System parameter	Technical index
Equipment type	P43
Working frequency	1350~1470MHz
Radio frequency channel	2T2R
Output power	43dBm (20W)
Channel bandwidth	10MHz
Modulation mode	QPSK,16QAM
Maximum rate	16Mbps@16QAM3/4
Communication encryption	AES256
Transmission delay	≤10ms
Radio frequency interface	SMA*2
Power interface	XT30PW-M
Device interface	Ethernet*2,TTL/RS232*2,RS422*1,SBUS/TTL*1
Power consumption	Air unit≤90W Ground unit≤20W
Dimension(L*W*H)	180mm*81mm*28mm
Weight	415g
Working voltage	DC 22~30V, Typical: 28V@4A
Working temperature	-40~+65℃

Verolink P46



Product Feature

- Background noise detection
- Adaptive channel selection(ACS)
- Long distance and large bandwidth transmission
- Automatic repeater function
- AES256 encryption

Transmission distance



300KM

Product parameter

System parameter	Technical index
Equipment type	P46
Working frequency	1350~1470MHz
Radio frequency channel	2T2R
Output power	46dBm (40W)
Channel bandwidth	10MHz
Modulation mode	QPSK,16QAM
Maximum rate	16Mbps@16QAM3/4
Communication encryption	AES256
Transmission delay	≤10ms
Radio frequency interface	SMA*2
Power interface	XT30PW-M
Device interface	Ethernet*2,TTL/RS232*2,RS422*1,SBUS/TTL*1
Power consumption	Air unit≤160W Ground unit≤40W
Dimension(L*W*H)	180mm*110mm*32mm
Weight	480g
Working voltage	DC 22~30V,Typical: 28V@6A
Working temperature	-40~+65℃

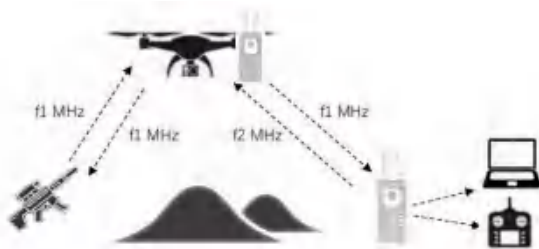
Verolink P40X TDD-FDD



Product Feature

- Asymmetric frequency transmission
- Background noise detection
- Adaptive channel selection(ACS)
- AES256 encryption
- Multiple sets of simultaneous use

Application



Product parameter

System parameter	Technical index
Equipment type	P40X
Working frequency	f2 MHz(uplink) f1 MHz(downlink) (customizable)
Radio frequency channel	2T2R
Output power	40dBm (10W)
Distance	150KM (Air-to-Ground LOS)
Channel bandwidth	10MHz
Modulation mode	QPSK、16QAM
Maximum rate	16Mbps@16QAM3/4
Communication encryption	AES256
Transmission delay	≤10ms
Radio frequency interface	SMA*2
Power interface	XT30PW-M
Device interface	Ethernet*2,TTL/RS232*2,RS422*1,SBUS/TTL*1
Power consumption	Air unit≤66W Ground unit≤15W
Dimension(L*W*H)	180mm*81mm*29mm
Weight	415g
Working voltage	DC 22~30V,Typical: 28V@3A
Working temperature	-40~+65℃

C-link P2MP



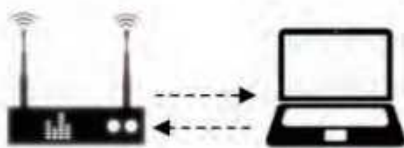
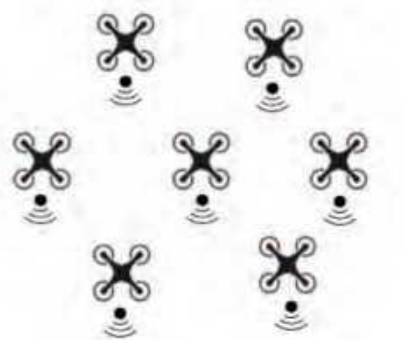
Product Feature

- Supports up to 16 slave nodes
- Maximum stream: 30Mbps
- Adaptive channel selection(ACS)
- Multiple BW options available

Application 1 (Repeater- NLOS)



Application 2 (P2MP)



(Point-to-multipoint)

Application 3 (P2MP)



(Point-to-multipoint)

C-link P2MP

Product Category

Model	Working frequency	Output Power	Max transmission distance
TC69B-A-C33	806~826MHz	2W	5/20/50KM
TC69B-B -C33	1427~1447MHz	2W	5/20/50KM
TC69B-C -C33	1420~1530MHz	2W	5/20/50KM
TC69B-D -C33	2401~2481MHz	2W	5/20/50KM
TC69B-B -C37	1427~1447MHz	5W	20/50KM
TC69B-C -C37	1420~1530MHz	5W	20/50KM
TC69B-B -C40	1427~1447MHz	10W	50KM
TC69B-C -C40	1420~1530MHz	10W	50KM

Product parameter

System parameter	Technical index		
Equipment type	C33	C37	C40
RF channel	1T2R	1T2R	1T2R
Output power	33dBm (2W)	37dBm (5W)	40dBm (10W)
Channel BW	3/5/10/20MHz	3/5/10/20MHz	3/5/10/20MHz
Maximum node	Max 16 slave nodes	Max 16 slave nodes	Max 16 slave nodes
Maximum rate	30Mbps@20MHz	30Mbps@20MHz	30Mbps@20MHz
RF interface	SMA*2	SMA*2	SMA*2
Power interface	Modelx2.5-2pin	Modelx2.5-2pin	Modelx2.5-2pin
Device interface	Ethernet*2 ,CAN/SBUS*1, RS232/TTL*2	Ethernet*2 ,CAN/SBUS*1, RS232/TTL*2	Ethernet*2 ,CAN/SBUS*1, RS232/TTL*2
Power consumption	≤ 12W (air) ≤ 6W (ground)	≤ 24W (air) ≤ 10W (ground)	≤ 36W (air) ≤ 12W (ground)
Dimension(L*W*H)	134*62*16.5mm	153*62*25mm	173*62*27.5mm
Weight	160g	247g	311g
Working voltage	DC 9~26V	DC 20~30V	DC 20~30V
Working temperature	-40~+65℃	-40~+65℃	-40~+65℃

Hand Remote Control - TX



Product Feature

- Supports four AHD/CVBS video source inputs
- Support one-way video, two-way voice transmission
- Supports H264 video encoder
- AES128 encryption

Transmission Distance (Ground to ground LOS)



3KM

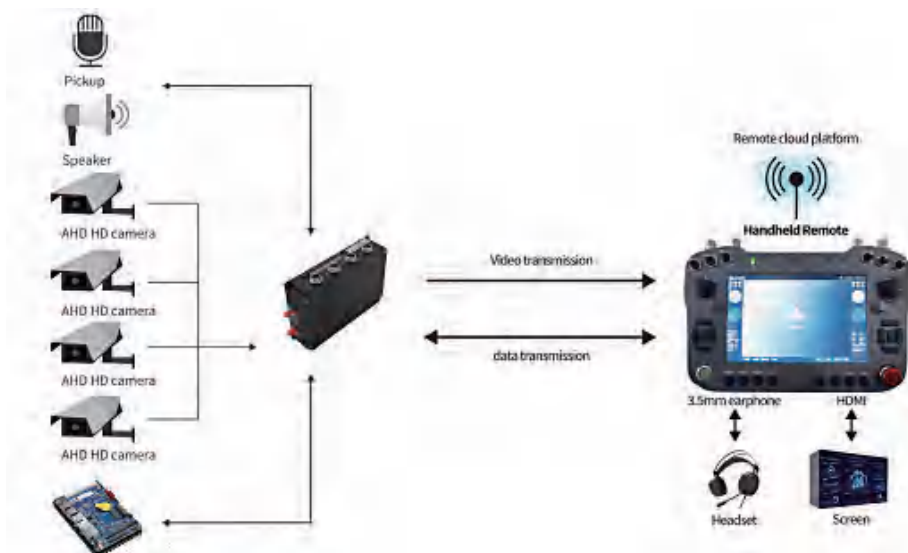
Product parameter

System parameter	Technical index
Equipment type	M033A-TX
Working frequency	300~800MHz(customizable)
Output power	33dBm (2W)
Channel bandwidth	2/4/8MHz
Modulation mode	QPSK, 16QAM, 64QAM
Maximum rate	29Mbps@64QAM7/8
Communication encryption	AES128
Device interface	Ethernet, RS485/RS232/TTL, CAN,Audio,Video*4
Radio frequency interface	SMA*2
Power consumption	≤22W
Dimension(L*W*H)	158mm*100mm*35mm
Weight	478g
Working voltage	DC 9~15V, Typical: 12V@2A
Working temperature	-40~+65℃
Video input	CVBS/AHD*4, Adaptive support 1080P,720P,576P,PAL
Audio input	Active analog audio input
Audio output	Passive analog audio output

Hand Remote Control -RX



Product use



Product parameter

System parameter(Video)	Technical index
Model	M033A-RX
Video frequency	300~800 MHz(customizable)
Channel bandwidth	2/4/8MHz
System delay	≤320ms
Battery	6000mAH (removable)
Dimensions (L*W*H)	360mm*235mm*43mm
Weight	2.8KG
Working voltage	DC12V
Working temperature	-20~+55℃
Video Output	HDMI, up to 1080P format
Bidirectional speech	Loudspeaker, 3.5mm earphones
LCD Dimensions	10.1inch, Brightness: 900cd/m2
Others	4G, 256G-TF card
System parameter(Data)	Technical index
Working frequency	902~928MHz
Output Power	30dBm (1W)
Transmission mode	FSK frequency hopping

M025A Video Transmitter



Product Feature

- Integrated design of video and data transmission function
- Video transmission COFDM datal modulation
- Data frequency hopping transmission
- Strong anti-interference ability
- Small size and lightweight

Transmission Distance

(Ground to ground LOS)



2KM

Product parameter

System parameter(Video)	Technical index
Equipment type	M025A-TX
Working frequency	330~360MHz, 420~450MHz, 570~590MHz
Output power	30dBm (1W)
Channel bandwidth	2.5MHz
Video input	CVBS SD input
Audio input	Analog signal input
Serial interface	RS232
Radio frequency interface	SMA-Female
Power consumption	≤12W
Dimension(L*W*H)	97.5mm*47.5mm*22mm
Weight	125g
Working voltage	DC 9~15V, Typical: 12V@1A
Working temperature	-40~+80℃
System parameter(Data)	Technical index
Working frequency	902~928MHz
Output Power	30dBm (1W)
Transmission mode	FSK frequency hopping

M025A Video Receiver



Product Feature

- Integrated design of video and data transmission function
- CVBS and Ethernet output
- Data frequency hopping transmission
- Small size and lightweight

Transmission Distance

(Ground to ground LOS)

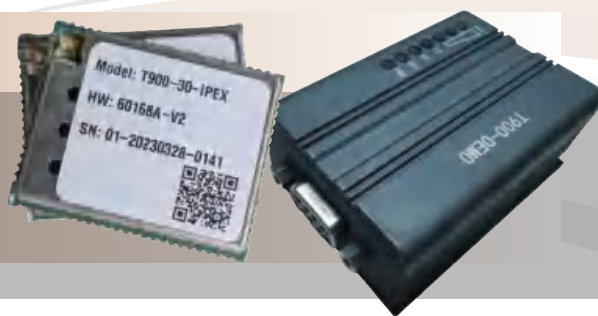


2KM

Product parameter

System parameter(Video)	Technical index
Equipment type	M025A-RX
Working frequency	330~360MHz, 420~450MHz, 570~590MHz
Channel bandwidth	2.5MHz
Video Output	CVBS and Ethernet output
Audio Output	Analog signal output
Serial interface	RS232/RS485
Video coding	H.264 decoding
Radio frequency interface	SMA
Power consumption	≤10W
Dimension(L*W*H)	120mm*86mm*20mm
Weight	267g
Working voltage	DC 9~15V, Typical: 12V@1A
Working temperature	-40~+80°C
System parameter(Data)	Technical index
Working frequency	902~928MHz
Output Power	30dBm (1W)
Modulation mode	FSK-hopping

T900 Series Data Link



Product Feature

- Frequency: 902~928MHz
- FSK frequency hopping
- TDMA and Networking
- Easy to integrate
- AES256

Transmission distance



60KM

Product parameter

System parameter	Technical index	
Equipment type	T900-30-IPEX	T900-DEMO
Working frequency	902~928MHz	902~928MHz
Modulation mode	FSK	FSK
Spread spectrum	FHSS	FHSS
Output power	30dBm (1W)	30dBm (1W)
Distance	60KM	60KM
Working mode	P2P, P2MP, Mesh with a center	P2P, P2MP, Mesh with a center
Transmission rate	57.6Kbps~276.4Kbps	57.6Kbps~276.4Kbps
Data interface	TTL	DB9 to RS232
Control interface	TTL	Type C to USB
Antenna interface	IPEX	SMA-Female
Voltage	DC3.3V	DC9~26V
Power consumption	<8W	<8W
Dimension(L*W*H)	33mm*26.5mm*3.5mm	79.2mm*49mm*26mm
Weight	5.4g	119g
Working temperature	-40~+85℃	-40~+70℃

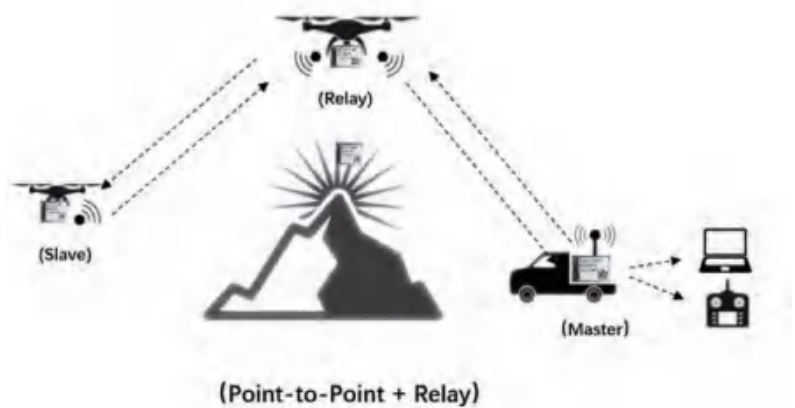
T900 Series Data Link



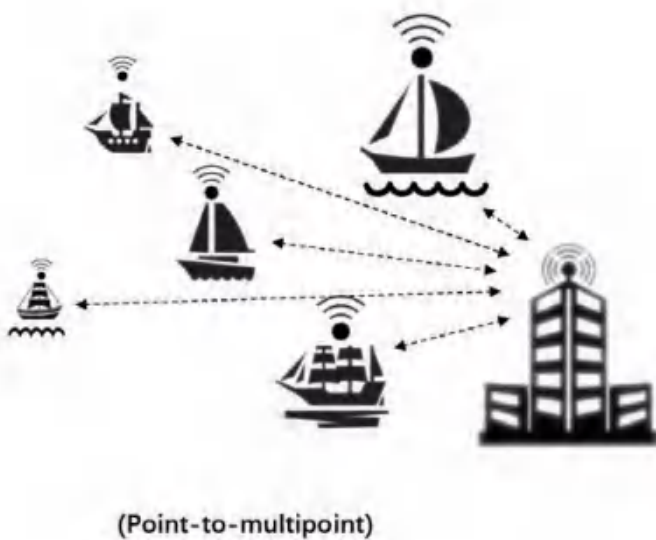
Application 1 (P2P)



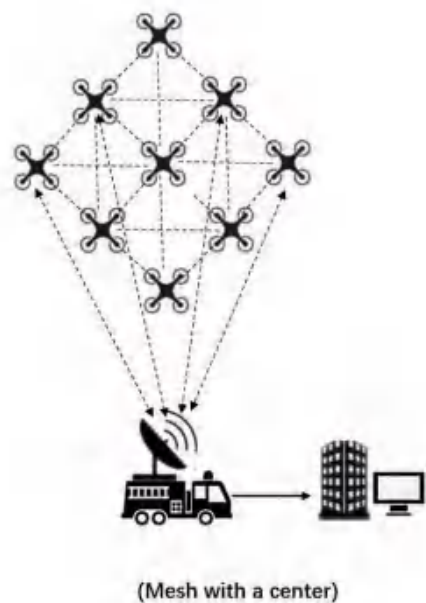
Application 2 (Repeater)



Application 3 (P2MP)



Application 4 (Mesh)



T900 Mini



Product Feature

- Frequency: 902~928MHz
- FSK frequency hopping
- TDMA and Networking
- Small size, low delay, high sensitivity
- Dual serial port, USB

Transmission distance

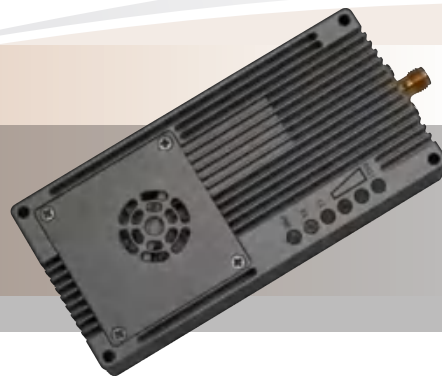


60KM

Product parameter

System parameter	Technical index		
Equipment type	T01	T02	T05
Working frequency	902~928MHz	902~928MHz	902~928MHz
Modulation mode	FSK	FSK	FSK
Spread spectrum	FHSS	FHSS	FHSS
Output power	30dBm (1W)	30dBm (1W)	30dBm (1W)
Distance	60km	60km	60km
Working mode	P2P, P2MP, Mesh with a center	P2P, P2MP, Mesh with a center	P2P, P2MP, Mesh with a center
Transmission rate	57.6Kbps~276.4Kbps	57.6Kbps~276.4Kbps	57.6Kbps~276.4Kbps
Data interface	GH1.25-4PIN (single serial)	Type C to USB (single serial)	GH1.25-6PIN (dual serial)
Antenna interface	SMA-Female	SMA-Female	SMA-Female
Voltage	DC9~26V	DC9~26V	DC9~26V
Power consumption	<8W	<8W	<8W
Dimension(L*W*H)	62mm*40mm*13mm	62mm*40mm*13mm	62mm*40mm*13mm
Weight	43.5g	43.5g	43.5g
Working temperature	-40~+70℃	-40~+70℃	-40~+70℃

Verolink T900



Product Feature

- Frequency: 902~928MHz
- FSK frequency hopping
- High power, long -distance transmission
- Automatic repeater function
- Wide range of Working temperature

Transmission distance



100/200KM

Product parameter

System parameter	Technical index
Equipment type	T900-40A/B-SMA
Working frequency	902~928MHz
Modulation mode	FSK
Spread spectrum	FHSS
Output power	40dBm (10W)
Transmission distance	100km/200km
Working mode	P2P, P2MP, Mesh with a center
Transmission rate	57.6Kbps~276.4Kbps
Data interface	J30J-15ZKW
Control interface	J30J-15ZKW
Antenna interface	SMA-Female
Voltage	DC18~32V; Typical:24V@2A
System power consumption	<35W
Dimension(L*W*H)	111mm*49mm*18.5mm
Weight	137g
Working temperature	-40~+85℃

Verolink UAV Jammer

Product Feature

- Multi-frequency band optional, module power optional
- Supports DC or AC power supply
- Intelligent heat dissipation
- Supports handheld, tripod installation
- Split design, easy to transport and install



Product parameter

System parameter	Technical index
Frequency & Transmit power	430MHz ~ 450MHz, 10W /30W 830MHz ~ 940MHz, 10W /30W 1100MHz ~ 1280MHz, 10W /30W 1400MHz ~ 1500MHz, 10W /30W 1550MHz ~ 1620MHz, 10W 2400MHz ~ 2500MHz, 10W /30W 5150MHz ~ 5350MHz, 10W /30W 5720MHz ~ 5850MHz, 10W /30W
Heat dissipation method	Intelligent heat dissipation
Power supply type	DC: 22~29V AC: 110~240V

Verolink Automatic Antenna Tracker

Product Feature

- Support high-precision real-time automatic tracking
- Small size, light weight, fast disassembly
- Supports frequency ≤ 3 GHz
- Compatible with most of the market flight control, Uav
- Installation size compatible with multiple SwiftLink series

Product parameter



System parameter	Technical index
Tracking capability	Max horizontal speed 300°/s
	Max pitch speed 60°/s
	Course Angle Unlimited /450°
	Pitch Angle -15°~135°
Mechanical/electrical specifications	Weight 2.6kg
	Supply voltage 12~16V DC
	Power <15W(Typical)
Protocol interface	MAVLink V1.0/V2.0
Serial port	TTL

Product Feature

- Background noise detection
- Adaptive modulation mode (Auto MCS)
- Automatic selection of dual antennas
- IP65 protection
- Support ARQ of physical lay



Product parameter



100KM

System parameter	Technical index
Equipment type	AIRLINK-P37/P39
Working frequency	1350~1470MHz
Radio frequency channel	2T2R
Output power	37dBm(5W) / 39dBm(8W)
Channel bandwidth	10MHz
Modulation mode	QPSK,16QAM
Maximum rate	17Mbps@16QAM3/4
Communication encryption	AES256
Transmission delay	≤10ms
Radio frequency interface	SMA *2
Device interface	Ethernet*1,WIFI*1,4G,TTL/RS232*2,RS422*1,SBUS
Power consumption	Air unit ≤40W; Ground unit ≤12W (P37) Air unit ≤48W; Ground unit ≤12W (P39)
Level of Protection	Ground unit: IP67; Air unit: IP20
Dimension(L*W*H)	250mm*150mm*34.5mm
Weight	Ground unit: 1.5kg; Air unit: 340g
Working voltage	DC 22~30V, Typical: 24V@2A
Working temperature	-40~+75℃