

Chinowing Technology Co., Ltd

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VM21

Mesh Video Link

- Mesh topology, supporting max 32 devices
- Total transmission bandwidth 30Mbps
- Single-hop transmission distance 10km
- 3 frequencies for choice, 800MHz, 1.4GHz, 2.4GHz
- Low latency, long range, strong anti-interference

VM21 Parameters		
Item	Parameters	Description
Frequency	800MHz	806-826MHz
	1.4GHz	1427.9-1447.9MHz
	2.4GHz	2401.5-2481.5MHz
RF power	-40-25dbm	adjustable
Transmission range	10km grade	LOS condition
Video transmission latency	<300ms	
Interfaces	SBUS port*2	
	Serial port*1	Baud rate adjustable
	LAN port*1	Video input/output Connecting IPC device or PC
Power supply interface	XT30	
Operating bandwidth	1.4-20M	1.4M, 3M, 5M, 10M, 20M
Operating temperature	-10~+50°C	
Power supply voltage	7.4-12V	
Operating current	180mA@12V power supply	
Antennas	2-4dBi rod antennas	
Overall weight	100g(exclude antennas)	
Overall dimension	85mm(L)*55mm(W)*20mm(H)	

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VM31

Mesh Radio

- Mesh topology, supporting max 32 devices
- Total transmission bandwidth 30Mbps
- Single-hop transmission distance 50km max
- 2 frequencies for choice, 800MHz, 1.4GHz
- RF power 2w, 5w
- Low latency, long range, strong anti-interference

VM31 Parameters		
Item	Parameters	Description
Frequency	800MHz	806-826MHz
	1.4GHz	1427.9-1447.9MHz
RF power	2w, 5w	adjustable
Transmission range	VM31C: 5km grade(G to G) VM31: 20km grade(A to G) VM31 Plus: 30km grade(A to G) VM31 Pro: 50km grade(A to G)	LOS condition (G stands for ground, A stands for air)
Video transmission latency	<300ms	
Interfaces	SBUS port*2	
	Serial port*1	Baud rate adjustable
	LAN port*1	Video input/output Connecting IPC device or PC
Power supply interface	XT30	
Operating bandwidth	1.4-20M	1.4M, 3M, 5M, 10M, 20M
Operating temperature	-20°C~+50°C	
Power supply voltage	7.4-12V	
Operating current	180mA@12V power supply	
Antennas	2-4dBi rod antennas	
Overall weight	160g(exclude antennas)	
Overall dimension	880mm*56mm*25mm	

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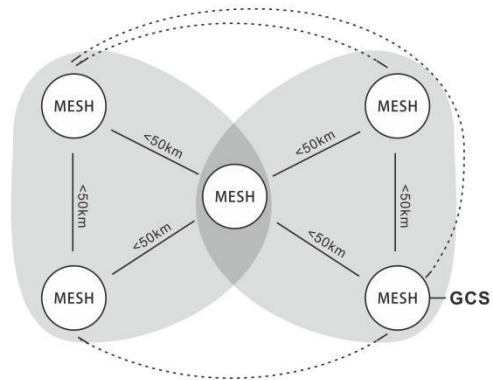
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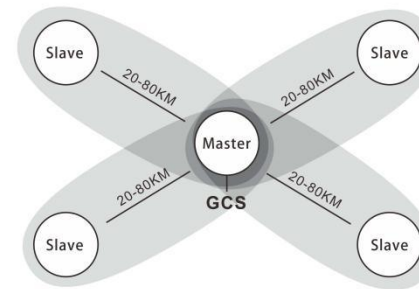
Mesh Video Link



Mesh topology

VM21:15KM VM31:50KM

Digital IP Video&Telemetry Link



Star topology

V21:15KM V31:20-80KM