

	Walksnail Avatar HD Mini 1s Lite Kit	Walksnail Avatar HD Mini 1s Kit	Walksnail Avatar HD Nano Kit V3	Walksnail Avatar HD Kit V2	Walksnail Avatar HD Pro Kit	Walksnail Avatar HD Micro	Walksnail Avatar HD Nano	Walksnail Avatar HD Kit V2 (dual)	Walksnail Avatar HD Pro Kit (dual)	Walksnail Moonlight kit	Walksnail GT Kit
	Avatar HD light camera	Avatar Nano	Avatar HD Nano V3	Avatar V2 camera	Avatar HD Pro Camera	Avatar camera (silver)	Avatar Nano (silver)	Avatar V2 camera	Avatar HD Pro Camera	Moonlight camera	Avatar HD Pro Camera
	Mini VTX V3	Mini VTX V3	Avatar HD Mini VTX V3	Avatar V2 Module	Avatar V2 Module	Avatar module	Avatar module	Avatar V2 module(Dual Antenna)	Avatar V2 module(Dual Antenna)	Moonlight VTX	Avatar GT VTX
<b>Camera</b>	Avatar lite camera	Avatar nano	Avatar HD Nano Camera V3	Avatar V2 camera	Avatar HD Pro Camera	Avatar V2 camera	Avatar nano	Avatar V2 camera	Avatar HD Pro Camera	Moonlight camera	Avatar HD Pro Camera
<b>Image Sensor</b>	1/2.7" Inch	1/2.7" Inch	1/3.2-Inch 4Mp 4:3 sensor	1/3.2-Inch 4Mp 4:3sensor	1/1.8-Inch Sony Starvis II Sensor	1/2.7" 1Inch	1/2.7" 1Inch	1/3.2-Inch 4Mp 4:3sensor	1/1.8-Inch Sony Starvis II Sensor	Starlight sensor	1/1.8-Inch Sony Starvis II Sensor
<b>Resolution</b>	1080/100fps (Goggles X), 1080P/60fps,720P/100fps,720P/60fps	1080/100fps (Goggles X), 1080P/60fps,720P/100fps,720P/60fps	1080/100fps (Goggles X), 1080P/60fps,720P/100fps,720P/60fps	1080/100fps (Goggles X), 1080P/60fps,720P/100fps,720P/60fps	1080/100fps (Goggles X), 1080P/60fps,720P/100fps,720P/60fps	1080/100fps (Goggles X), 1080P/60fps,720P/100fps,720P/60fps	1080/100fps (Goggles X), 1080P/60fps,720P/100fps,720P/60fps	1080/100fps (Goggles X), 1080P/60fps,720P/100fps,720P/60fps	1080/100fps (Goggles X), 1080P/60fps,720P/100fps,720P/60fps	4K@30/60fps (100/150Mbps), 2.7K@30/60fps,1080p@100/60fps,720p@60fps	1080/100fps (Goggles X), 1080P/60fps,720P/100fps,720P/60fps
<b>Ratio</b>	16/9 4/3	16/9 4/3	4/3	4/3	16/9 4/3	16/9 4/3	16/9 4/3	4/3	16/9	16/9	16/9
<b>Lens</b>	2.1mm	2.1mm	2.1mm	2.1mm	8Mp	2.1mm	2.1mm	2.1mm	8Mp	8Mp	8Mp
<b>FOV</b>	170	170	160	160	170	170	170	160	160	160	160
<b>Aperture</b>	F2.0	F2.0	F2.0	F2.0	F1.6	F2.0	F2.0	F1.6	F2.0	F2.1	F1.6
<b>Shutter Rolling</b>	Rolling shutter	shutter	Rolling Shutter	Rolling shutter	Rolling shutter	Rolling shutter	shutter	Rolling shutter	Rolling shutter	Rolling shutter	Rolling shutter
<b>Min.Illumination</b>	0.001	0.001	0.001	0.001	0.00001	0.001	0.001	0.001	0.00001	0.00001	0.00001
<b>Weight</b>	1.8	3.5	3	7.2	9.5	6	3.5	7.2	9.5	9.5	9.5
<b>Dimensions</b>	14*14*16mm	14*14*17mm	14*14*16.8mm	19*19*22mm	19*19*24mm	19*19*22mm	14*14*17mm	19*19*22mm	19*19*24mm	19.6mm*19mm*24mm	19*19*24mm
<b>Coaxial Cable</b>	55mm (default) /90mm	55mm (default) /90mm	90mm(default)/140mm	140mm	140mm	140mm	55mm (default) /90mm	140mm	140mm	140mm	140mm
<b>Gyroflow</b>	x	x	x	Only 32G VTX Supported	OK	x	x	Only 32G VTX Supported	OK	OK (No Sync Required)	OK
<b>VTX model</b>	Avatar mini 1s module	Avatar mini 1s module	Avatar HD Mini VTX V3	Avatar V2 Module	Avatar V2 Module	Avatar module	Avatar module	Avatar V2 module(Dual Antenna)	Avatar V2 module(Dual Antenna)	Avatar V2 module(Dual Antenna)	Avatar GT module
<b>Communication Frequency</b>	5.725-5.850GHz	5.725-5.850GHz	5.725-5.850GHz	5.725-5.850GHz	5.725-5.850GHz	5.725-5.850GHz	5.725-5.850GHz	5.725-5.850GHz	5.725-5.850GHz	5.725-5.850GHz	5.725-5.850GHz
<b>Transmitter Power (mW)</b>	350	350	500	1200	1200	1200	1200	1200	1200	1200	2000
<b>Transmitter Power (EIRP)</b>	FCC:<25.5dBm; CE:<14dBm; SRRC:<20dBm; MIC:<25dBm	FCC:<25.5dBm; CE:<14dBm; SRRC:<20dBm; MIC:<25dBm	FCC:<27dBm;CE:<14dBm;SRRC:<20dBm; MIC:<25dBm	FCC:<30dBm;CE:<14dBm;SRRC:<20dBm; MIC:<25dBm	FCC:<30dBm;CE:<14dBm;SRRC:<20dBm; MIC:<25dBm	FCC:<30dBm;CE:<14dBm;SRRC:<20dBm; MIC:<25dBm	FCC:<30dBm;CE:<14dBm;SRRC:<20dBm; MIC:<25dBm	FCC:<30dBm;CE:<14dBm;SRRC:<20dBm; MIC:<25dBm	FCC:<30dBm;CE:<14dBm;SRRC:<20dBm; MIC:<25dBm	FCC:<30dBm;CE:<14dBm;SRRC:<20dBm; MIC:<25dBm	FCC:<30dBm (MAX 33dBm); CE:<14dBm; SRRC:<20dBm; MIC:<25dBm
<b>I/O Interface</b>	JST1.0*6(Power in)JST0.8*4(USB)	JST1.0*6(Power in)JST0.8*4(USB)	JST1.0*4(Power in)JST0.8*4(USB)	JST1.0*4(Power in)JST0.8*6(USB)	JST1.0*4(Power in)JST0.8*6(USB)	JST1.0*6(Power in)JST1.0*4(USB)	JST1.0*6(Power in)JST1.0*4(USB)	JST1.0*4(Power in)JST0.8*6(USB)	JST1.0*4(Power in)JST0.8*6(USB)	JST1.0*4(Power in)JST0.8*6(USB). Micro SD card Slot : IPEX-1	JST1.0*4(Power in) Micro SD card Slot : IPEX-1
<b>20*20</b>	x	x	OK	OK	OK	x	x	OK	OK	OK	Ok
<b>25*25</b>	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	Ok
<b>Mounting Holes</b>	25.5*25.5mm	25.5*25.5mm	25.5*25.5mm(M2 hole);20*20mm(M3 hole)	25.5*25.5mm; 20*20mm	25.5*25.5mm; 20*20mm	25.5*25.5mm	25.5*25.5mm	25.5*25.5mm	25.5*25.5mm; 20*20mm	20*20mm/25*25mm (M2)	20*20mm/25*25mm (M2)
<b>Dimensions</b>	30*30*6.5mm	30*30*6.5mm	31.5*31.5*9.4mm	33.5*33.5*10.5mm	33.5*33.5*10.5mm	33*33*9.5mm	33.5*33.5*10.5mm	33.5*33.5*10.5mm	33.5*33.5*10.5mm	15.3mm*34.5mm*34.5mm	20mm*34mm*34mm
<b>Storage</b>	8G (V2) / 32G(V3)	8G(v2) / 32G(v3)	32G	8G/32G	8G/32G	8G	8G	32G	32G	U3 MicroSD, Max 256G	U3 MicroSD, Max 256G
<b>Recording</b>	1080p/720p	1080p/720p	1080p/720p	1080p/720p	1080p/720p	1080p/720p	1080p/720p	1080p/720p	1080p/720p	1080p/720p	1080p/720p
<b>Weight</b>	6.8	6.8	13.4	17.6	17.6	16	15.4	15.4	15.4	38.5	41.6g
<b>voltage min</b>	1S	1S	1S	2S	2S	2S	2S	2S	2S	3S	3s
<b>voltage max</b>	3S	3S	3S	6S	6S	6S	6S	6S	6S	6S	6s
<b>Wide Power Input</b>	3.1V-5V(V2) / 3.1-13V(V3)	3.1V-5V(V2) / 3.1-13V(V3)	3.1V-13V	6V-25.2V	6V-25.2V	6V-25.2V	6V-25.2V	6V-25.2V	6V-25.2V	7.4V-25.2V/12V@1.4A, 8V@2.2A	11.1V-25.2V
<b>Supported FC System</b>	Betaflight; Inav; Fettec; Kiss; ArduPilot	Betaflight; Inav; Fettec; Kiss; ArduPilot	Betaflight; Inav; Fettec; Kiss; ArduPilot	Betaflight; Inav; Fettec; Kiss; ArduPilot	Betaflight; Inav; Fettec; Kiss; ArduPilot	Betaflight; Inav; Fettec; Kiss; ArduPilot	Betaflight; Inav; Fettec; Kiss; ArduPilot	Betaflight; Inav; Fettec; Kiss; ArduPilot	Betaflight; Inav; Fettec; Kiss; ArduPilot	Betaflight; Inav; Fettec; Kiss; ArduPilot	Betaflight; Inav; Fettec; Kiss; ArduPilot
<b>Bitrate</b>	25mbps 50mbps	25mbps 50mbps	25mbps 50mbps	25mbps 50mbps	25mbps 50mbps	25mbps 50mbps	25mbps 50mbps	25mbps 50mbps	25mbps 50mbps	25mbps 50mbps	25mbps 50mbps
<b>Latency</b>	Average delay 22ms	Average latency 22ms	Average latency 22ms	Average delay 22ms	Average delay 22ms	Average delay 22ms	Average delay 22ms	Average delay 22ms	Average delay 22ms	Average delay 22ms	Average delay 22ms
<b>Antenna</b>	IPEX	IPEX	1(IPEX)	1(IPEX)	1(IPEX)	2(IPEX)	2(IPEX)	2(IPEX)	2(IPEX)	2(IPEX)	2(IPEX)
<b>Model</b>	1s lite antenna	Polar antenna	Avatar V2 antenna	Avatar V2 Antenna	Avatar V2 Antenna	Polar antenna	Polar antenna	Avatar V2 antenna	Avatar V2 antenna	Avatar V2 antenna	Avatar V2 antenna
<b>Polarization</b>	Linear	LHCP	LHCP	LHCP	LHCP	LHCP	LHCP	LHCP	LHCP	LHCP	LHCP
<b>Frequency range</b>	5600MHz-5900MHz	5.6GHz-5.9GHz	5600MHz-6000MHz	5600MHz-6000MHz	5600MHz-6000MHz	5.6GHz-5.9GHz	5.6GHz-5.9GHz	5600MHz-6000MHz	5600MHz-6000MHz	5600MHz-6000MHz	5600MHz-6000MHz
<b>Gain</b>	1.6 dBi	2dBi	1.9dBi	1.9dBi	1.9dBi	2dBi	2dBi	1.9dBi	1.9dBi	1.9dBi	1.9dBi
<b>Radiation Efficiency</b>		≥98%	VSWR	≥98%	≥98%	≥98%	≥98%				
<b>VSWR</b>	≤1.5	≤1.4	≤1.5	≤1.5	≤1.5	≤1.4	≤1.4	≤1.5	≤1.5	<1.5	<1.5
<b>Line Length</b>		90mm	105mm			90mm	90mm				
<b>Input Impedance</b>	50Ω			50Ω	50Ω			50Ω	50Ω	50Ω	50Ω
<b>Interface</b>	IPEX-1	U.FL	IPEX-1	IPEX-1	IPEX-1	U.FL	U.FL	IPEX-1	IPEX-1	IPEX-1	IPEX-1
<b>Size</b>	R 5mm,L 70mm	H105mm*R11.2mm	R15*45mm(without cable)	R15 X 45mm(without cable)	R15 X 45mm(without cable)	H105mm*R11.2mm	H105mm*R11.2mm	R15 X 45mm (without cable)	R15 X 45mm (without cable)	R15 X 45mm (without cable)	R15 X 45mm (without cable)
<b>Weight</b>	0.5g	1.5g	2g	2g	2g	1.5g	1.5g	2g	2g	2g	2g