UAVSale

Unmanned Helicopter Airborne SATCOM ST300

MD-P00284 · md-unmanned-helicopter-airborne-satcom-st300

Unmanned Helicopter Airborne SATCOM ST300

TECHNICAL SPECIFICATIONS

MODEL	ST300
Dimension (Diameter*height)	440mm 415mm
Weight	13.5kg
Frequency range	RX：12.25～12.75GHz TX：14.00～14.50GHz
Type	Panel waveguide horn array
Receive G/T(pitch 10)	8.8dB/K（Normal temperarure@27°C,LNB noise factor @0.8dB,Radome excluded）
Transmit EIRP(dBW)	47.5dBW（40W BUC，Radome excluded）
GAIN（RX）	29.5dB@12.50GHz
GAIN（TX）	30.5dB@14.25GHz
Cross pollsolation	30dB
Power consumption	90W(excluded BUC）
Azimuth range	360 continuous rotation
Pitch range	0 ～90
AZ/EI Velocity	＞60 /s
AZ/EI acceleration	＞100 /s2
Tracking accuracy	0.2 （R.M.S）
DC power	DC 18~32V
Operating temperature	-40°C ~ +75°C
Altitude	16800Meters(55000Feet)
Dimension	L416mm W220mm H110mm
Power	60W
Item	Specification
IF interface	Frequency range：950~2150MHz，Step in 100KHz Tx signal level range：-35~-5dBm，1dBm Step in In-band Spurious output： -50dBc Rx

	signal level range：-65~-25dBm
Modulation Mode	QPSK
Information Rate	64kbps~4096kbps，64kbps Step in
Spread Spectrum Ratio	2 times spread spectrum, 4 times spread spectrum (small spread spectrum mode)
Form Coefficient	0.35、 0.25、 0.2
Error Threshold	Eb/n0=2.7dB，Pe 1 10-6
Channel Coding	LDPC code
Video and audio	Video Input / 2 channels of video input (support HDMI&SDI, at the same time select one channel input)
Video Coding	H.265，H.264SVC、H.264 Dual channel compression coding
Resolution Ratio	1080P、720P、D1
Frame Rate	3～60 frame/S (Default: 15 frames per second)
Audio Interface	1 channel 2 in 1 (3.5mm headset) audio input/output
Audio Coding	G.711 audio compression, with error correction and enhancement functions
Network	4G / Support China Telecom/China Mobile/China Unicom 4G full network access network standard
Cable	Support network speed; 80kbps-8Mbps
Storage	TF Card / Max support 64G；Continuous storage, automatic segmentation, according to the time recording
Interface	SIM Card / 1 pop-up UIM (SIM) holder
Transmission speed	Support 60Kbps ~ 10Mbps adjustable, default 256Kbps

CERTIFICATION

Certification status is confirmed per order and is not published in the catalogue listing. Request the current declaration, test reports or conformity certificates from our sourcing team.

ORDERING INFORMATION

Model	Unmanned Helicopter Airborne SATCOM ST300
Part number	MD-P00284
Lead time	30 days
Minimum order	1 unit
Supply	made_to_order

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