

IF800 GS-One Configuration (NDAA)

UAS Information				
Manufacturer Name		Inspired Flight Technologies Inc.		
Manufacturer Country of Origin		USA		
Manufacturer Country of Domicile (i.e. HQ location)		USA		
Model (Provide a picture of the UAS) IF800 Tomcat				
Maximum Speed: 22 m/s (49 mph)		Maximum Range: 10 km		Maximum Endurance: 54 min
Takeoff Weight (and Payload Capacity)		18.7 lbs with batteries, 6.6 lbs max capacity		
Flight Mode (e.g. manual, autonomous, semi-autonomous, etc)		Semi-Autonomous & Autonomous		
Is RIZER Supported?	No	Will RIZER be used?	No	Notes:
Is ODAS Supported?	No	Will ODAS be used?	No	Notes:
GCS Software version: IGC 1.5		Any changes to the GCS or UAS operating software? No		
UAS Operating Software version: ArduPilot 4.4				
Data Link Information				
Operating Radio Frequencies (RF) Bands		2.4 GHz		
C2 Link Encryption		AES 128 Encryption (FIPS 140-3) for Over-the-air data, J/F-12 certification #13258		
Camera Link data Encryption		AES 128 Encryption, configurable by authorized users		
Payload Encryption		AES 128		
Component Information				
Critical Electronic Component (CEC)	Item Nomenclature	Manufacturer Name	Manufacturer (Country of Origin)	Location of Manufacturing (Country of Origin)
Flight Controller	Cube Orange +	Cubepilot	Australia	USA
Downward Ground Sensor	SF000/B	LightWare	South Africa	South Africa
Additional Airborne Computers / Companion Computer	VOXL 2.0	Modal AI	USA	USA
Radios**	DUO-N	Taisync	Taiwan	Taiwan
Data Transmission Devices	GS-One	Aerora	Vietnam	Vietnam
	Here4 Black, Here4 Blue GPS	Cubepilot	Australia	Taiwan
Camera	Starvis IMX412	Modal AI	USA	USA
Ground Control System	GS-One	Aerora	Vietnam	Vietnam

IF800 Blue Herelink Configuration (Non-NDAA)

UAS Information				
Manufacturer Name		Inspired Flight Technologies Inc.		
Manufacturer Country of Origin		USA		
Manufacturer Country of Domicile (i.e. HQ location)		USA		
Model (Provide a picture of the UAS)				
IF800 Tomcat				
Maximum Speed: 22 m/s		Maximum Range: 10 km		Maximum Endurance: 54 min
Takeoff Weight (and Payload Capacity)		18.7 lbs with batteries, 6.6 lbs max capacity		
Flight Mode (e.g. manual, autonomous, semi-autonomous, etc)		Semi-Autonomous & Autonomous		
Is RIZER Supported?	No	Will RIZER be used?	No	Notes:
Is ODAS Supported?	No	Will ODAS be used?	No	Notes:
GCS Software version: IGC 1.5		Any changes to the GCS or UAS operating software? No		
UAS Operating Software version: Ardupilot 4.4				
Data Link Information				
Operating Radio Frequencies (RF) Bands		Herelink 2.4 GHz		
C2 Link Encryption		AES 128 Encryption		
Camera Link data Encryption		AES 128 Encryption		
Payload Encryption		AES 128 Encryption		
Component Information				
Critical Electronic Component (CEC)	Item Nomenclature	Manufacturer Name	Manufacturer (Country of Origin)	Location of Manufacturing (Country of Origin)
Flight Controller	Cube Orange +	Cubepilot	Australia	USA
Downward Ground Sensor	SF000/B	LightWare	South Africa	South Africa
Additional Airborne Computers / Companion Computer	VOXL 2.0	Modal AI	USA	USA
Radio	Herelink	Cubepilot	USA	USA
Data Transmission Devices	Herelink	Cubepilot	USA	USA
	Here4 Black, Here4 Blue GPS	Cubepilot	Australia	Taiwan
Camera	UC20MPA	Spinel Electronics	USA	USA
Ground Control System	Herelink	Cubepilot	USA	USA