L3HARRIS™
FAST. FORWARD.

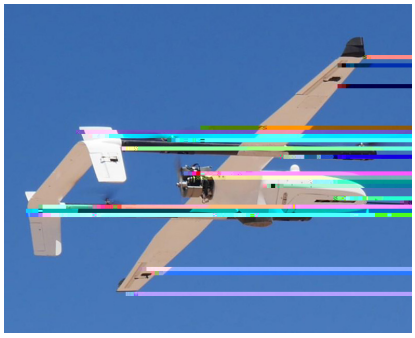
HYBRID QUADROTOR FVR–55

KEY FEATURES

- Hybrid Quadrotor™ (HQ) Technology
- Part 107 Compliant
- Fully runway independent. Point takeoff and landing.
- No launch or recovery equipment required
- Up to 10 hour endurance depending on payload installed and Part 107 limits
- Supports up to 10 lb (4.5 kg) payloads
- Land or sea VTOL capability from within a confined area
- Service ceiling of 15,000 ft MSL
- Maximum speed of 65 knots (120 km/hr)
- Universal mounting interface accommodates various customer payloads
- 2 person operations team – pilot / maintainer + 1 Visual Observer as required
- < 1 hour time to deploy from box to launch
- Small Mobile Ground Control Station (Windows Tablet or Laptop with Datalink)
- Removable modular payload bay. Fast, swappable payload integration

SPECIFICATIONS

Functional	
E d a c	Up to 10 hrs (payload dependent)
Ma Da S d	65 knots (120 km/hr)
La c a d R c	VTOL capable from land or boat in ≥ 20 ft x 20 ft area (6m x 6m)
Da a	Bridged IP and RS-232
Primary Datalink Range	100+ km
Primary Datalink Latency	<500 ms
Datalink Security	AES 256
Primary and Secondary Data Links	
Pa ad d a a b ad U a I ac	
Payload Capacity	Up to 10 lb (4.5 kg)
Main Payload Voltage	12 VDC
Payload Power	200 W
Mechanical provision for dedicated payload GPS antenna	
F C M	Within 5% accuracy
N c ca da a d b a d a c a	
L -L Ca ab	Autonomous return to base, loiter, and landing
T a N b P O a	2
T D (S La c)	< 1 hour
P -F /P -F	30 minutes



Don't compromise. It's an ethos we all live by, yet many have accepted less with no better solution available. To break this paradigm, L3Harris Technologies has developed and introduced the hybrid quadrotor (HQ), an uncompromising Hybrid Quadrotor Unmanned Aerial System (UAS). HQ is a superior solution to our customers' hardest problems, delivering runway independence, unprecedented endurance and innovative modularity for missions in austere, maritime and confined environments. With HQ, operators can be confident that dynamic mission requirements will drive platform capabilities, not the inverse. Don't compromise for anything less.