

Dragonfish Repeater

The Hands-off Solution For Remote Operations



**Self-Organizing
Mesh Network**



**Low
Maintenance**



**All Weather
Performance**



**Easy Range
Extending
Capabilities**



**Ultra-stable HD
Image
Transmission**

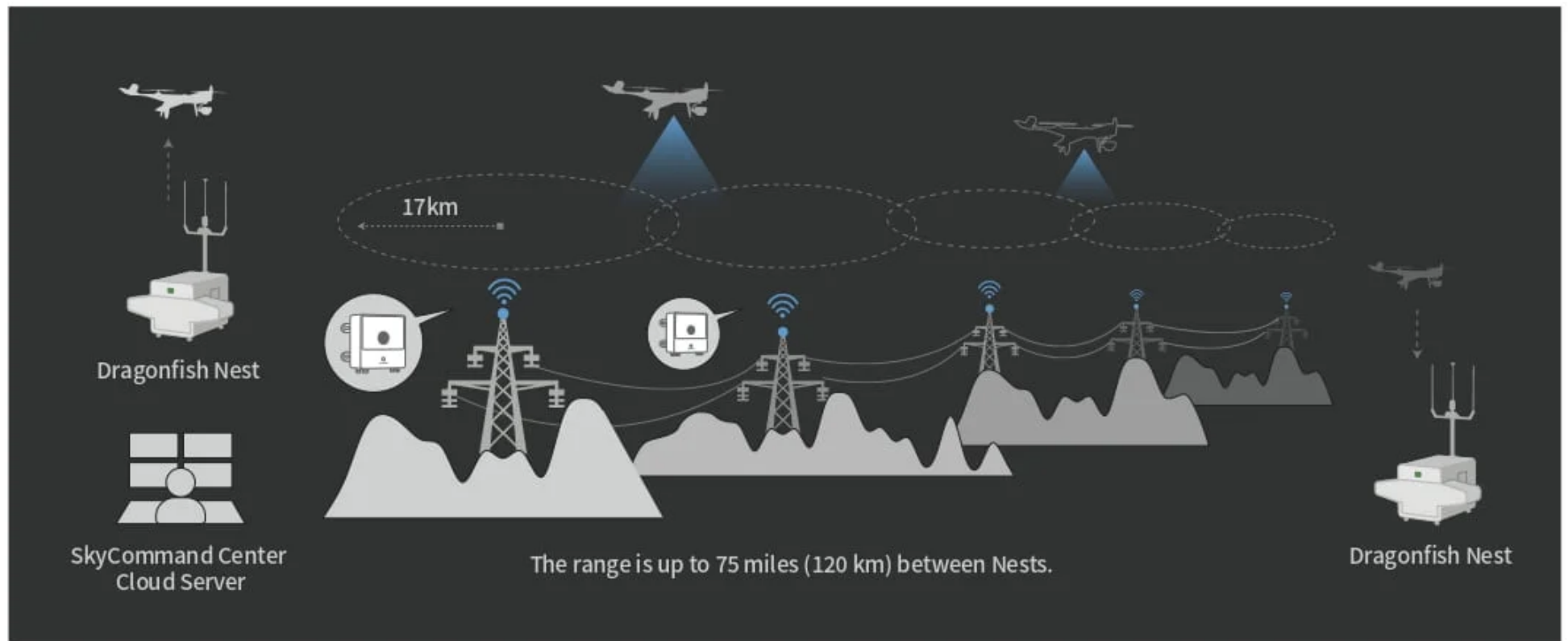


**Long-lasting
Battery**

4G

**Remote
Monitoring**

The Dragonfish Repeater System is a network of directional antennas, omnidirectional antennas, repeater base stations, 4G communication modules, and solar power supplies to provide 24/7, offgrid, low maintenance, ultra-long-distance flight command and communications for Autel Dragonfish series aircraft. The Dragonfish Repeater System, once set up, will improve the connectivity, management, and control of Dragonfish aircraft with a site coverage of up to 347 mi² per module when used in conjunction with the Autel Dragonfish Nest.



Powerful Self-Organizing Mesh Network Capability

A network of multiple Nests and Repeaters gives the Dragonfish full communication within the coverage area and the ability to land at multiple charging points.

All Weather Performance

Purpose built with an IP55 rating for uncertain weather and rugged terrain.

Ultra-stable HD Image Transmission

Autel Repeater is specially designed to operate in areas with high electromagnetic interference. 1080p 30fps transmission comes standard, with latency as low as of 210ms*.

*Each repeater adds 10ms latency. 200ms is the latency of ground station.

Low Maintenance

The wireless setup paired with built-in batteries and solar panels allows users to set up once and forget for up to 6 months*.

*Measured in sand and wind-free environments with moderate temperature conditions.

Easy Range Extending Capabilities

With a range of up to 10.6 miles between base stations, daisy chain additional repeaters to further extend coverage.

Long-Lasting Battery

The 100Wh high capacity battery can standby for up to 30 days without solar panels.

Remote 4G Monitoring

Built-in 4G module supports real-time monitoring and remote wake-up and control of the device*.

*4G and performance availability varies.

Applications



Firefighting & Rescue



River Inspection



Traffic Monitoring & Management



Power Line Inspection

Repeater

Dimension (in)	11.42(L)*9.33(W)*3.54(H)
Weight (lbs)	6.61
Working Temperature	-4°F - 140°F
IP Rating	IP55
Power Consumption	8W
Communication Method	Support 4G Network

Power Supply	11.07V
Battery Type	Lithium-ion battery
Capacity	9539 mAh
Power Mode	External DC Power Supply Solar Power Supply