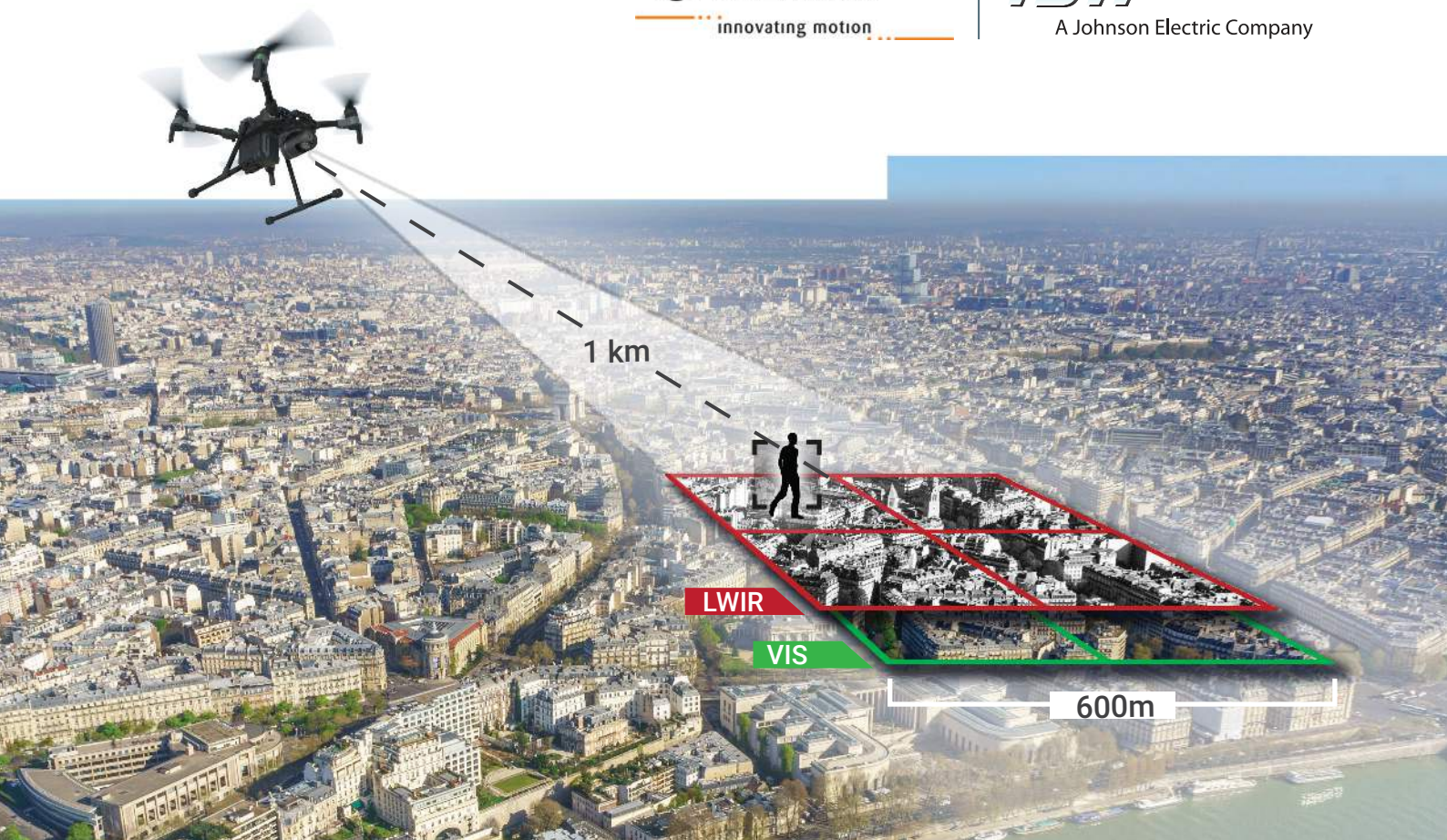




VELOX 2.7" EO/IR PAYLOAD

High-Resolution Panoramic View

- High sensitivity IR stabilized payload at a weight of 430 grams
- High resolution wide area coverage for enhanced missions
- Superior image stabilization capability
- High speed step and stare, fast response and superior precision
- Low power consumption providing better longer flight time for any application



Applications



Traffic
Monitoring



Security



HLS



Public Safety



First
Responders

VELOX 2.7" EO/IR PAYLOAD



Specifications

EO Camera	12 MP iFOV: 130μrad	x8 Continuous Digital Zoom FOV Levels: 30° WFOV to 5° DFOV
Thermal IR Camera, LWIR uncooled	OPGAL XS-VA 640x480 485μrad iFOV: 500μrad	No Zoom: FOV Levels: 16.9 x 12.9
Field of Regard	Azimuth: -174° to +174°	Tilt: +30° to -110°
Video output EO	1080p FHD or at 30fps, capable of 4K HD	
Video output IR	VGA at 25fps	Panoramic @ 6 Tiles per sec.
Environmental	Water Resistant	IP53
Operating Temperature	-10°C to +40°C Operational	
Dimensions	430 grams	Diameter 70mm (2.7") Height 126 mm (3.7")

Airframes



Quadrotor



Multirotor



VTOL



Helicopter

Key Features

- Concurrent EO and IR channels for enhanced detection capabilities
- Piezoelectric precision stabilization better than $< 80 \mu\text{rad}$ @ 1 rad/s & 0-10Hz
- Panorama Up to 10 x 5 Tiles
- Digital Signal Processing on board, h.264-compliant video pipeline.
- Ethernet Interface video output - 3 Ports simultaneously
- Payload Control Via MAVLink
- ITAR-Free
- Add-On Analytics for detection and recognition.

