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News Release

## **IAI Completes Test-Flights for its Innovative M-19HD Multi-Sensor Electro-Optical Payload**

**Advanced negotiations for additional units are underway with both  
local and international customers**

**February 11<sup>th</sup>, 2015-** Israel Aerospace Industries' (IAI) innovative M-19HD payload has successfully completed all airborne test-flights on manned and unmanned platforms. Local and international customers have shown interest in the novel electro-optical payload and advanced negotiations are underway.

The M-19HD is a true High-Definition, compact, multispectral, multi-sensor, single line-replacement unit (LRU) payload (simultaneously incorporating up to 7 sensors). The M-19HD enables continuous day/night surveillance under all weather conditions and provides outstanding acquisition ranges due to its powerful sensors, high stabilization and unique image processing capabilities. The M-19HD reduces the operator's workload and improves situational awareness by virtue of its multi-mode automatic video tracker (AVT). It also provides accurate geo-location using its embedded IMU/GPS (Inertial measurement Unit/Global Positioning System).

Shlomo Gold, Acting General Manager of IAI's Tamam Division: "The M-19HD payload is the ideal system for long-endurance ISR (intelligence, surveillance and reconnaissance) missions and area dominance. The M-19HD provides powerful sensors, high stabilization and unique image processing features, together with long range persistent surveillance capabilities. The M-19HD follows IAI's tradition of innovation and offers our customers high performance and a cost-effective solution".



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The system is designed to be installed onboard advanced unmanned aerial platforms such as IAI's Heron-1 and Heron TP UAVs, as well as aerostats and manned platforms, able to perform strategic missions.

# # #

M-19 HD characteristics:

Designed to withstand severe environmental conditions, the M-19HD operates in demanding, high-end applications on various platforms such as high/medium-altitude, long-endurance unmanned aerial vehicles (HALE/MALE UAVs); fixed-wing aircraft; maritime vessels; aerostats; and combat helicopters.

- Dimensions: width: 22.6" (576 mm), height: 27.3" (694 mm)
- Weight: 75 - 85 kg (configuration dependent)
- Sensor configurations are tailored to customers' needs (up to 7 sensors); options include: 2 HD Day Cameras (Zoom and Spotter), 2 HD IR Cameras (Zoom and Spotter), Laser Designator with in-flight boresight, Laser Range Finder, Laser Pointer, Laser Illuminator (in near infrared - NIR) and electron-multiplied charged-coupled-device (EMCCD) camera or short-wave infrared (SWIR) camera.

**In the pictures:**

- The M-19 HD payload on board IAI-made Heron UAV
- M-19 HD payload

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