

Israel Aerospace Industries (IAI) launches its newest top-of-the -line, long range high definition (HD) stabilized payload called M-19 HD.

The innovative M-19 HD is a True High Definition, compactly designed multi-sensor (with up to 7 sensors simultaneously), multi spectral payload, implemented as a single line-replacement unit (LRU). The M-19 HD enables continuous day/night monitoring in all weather conditions.

It provides outstanding acquisition ranges due to its powerful sensors, high stabilization and unique image processing capabilities.

M-19 HD reduces the operator's workload and improves situational awareness due to its multimode automatic video tracker (AVT). It also provides accurate Geo-location using its embedded IMU/GPS (inertial measurement unit/ global positioning system).

Israel David, General Manager of IAI/Tamam Division said: "We are very proud of this new advanced payload which is a real breakthrough in EO/IR (electro-optic and infrared) technology. A remarkable achievement by our engineering and technical staff, M-19 HD will provide our customers with unmatched observation and targeting performance. M-19 HD is ideal for high-altitude, long-endurance, intelligence, surveillance, reconnaissance, targeting and persistent awareness missions."

M-19 HD Characteristics:

Designed to withstand severe environmental conditions, M-19 HD 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; combat helicopters, etc.

Dimensions: Width: 22.6" (576mm), Height: 27.3" (694mm)

Weight: 75 - 85 Kg (configuration dependent)

Sensor Configurations are tailored to customers' needs (up to 7 sensors): 2 HD Day Cameras (Zoom and Spotter), 2 HD IR Cameras (Zoom and Spotter), Laser Designator, 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



By Thermal Beacon



M19- HD