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## AeroVironment's New Mantis i45 N Multi-Sensor Imaging Payload Delivers Advanced ISR for Nighttime Operations

November 16, 2021

- Mantis i45 N provides maximum visibility during low-light or nighttime intelligence, surveillance and reconnaissance (ISR) operations
- All-environment rated payload maintains similar footprint to battle proven Mantis i45, for fast in-field change-out of payloads between day and night operations
- No software updates required to Puma UAS avionics or ground control stations for legacy system compatibility

ARLINGTON, Va.--(BUSINESS WIRE)--Nov. 16, 2021-- [AeroVironment, Inc.](https://www.businesswire.com/news/home/20211116005381/en/) (NASDAQ: AVAV), a global leader in intelligent, multi-domain robotic systems, today introduced the [Mantis™ i45 N](#) a multi-sensor nighttime imaging payload compatible with [Puma™ 2 AF](#), [Puma™ 3 AF](#) and [Puma™ LF](#) small unmanned aircraft systems (UAS). Lightweight (905 g) and compact, the new Mantis i45 N joins AeroVironment's expansive Mantis product line of micro-gimbals delivering high-quality video and imagery downlink to UAS operators.

This press release features multimedia. View the full release here: <https://www.businesswire.com/news/home/20211116005381/en/>



Mantis i45 N is a dual-axis, gyro-stabilized, multi-sensor nighttime imaging payload designed for maximum visibility during low-light or nighttime intelligence, surveillance and reconnaissance (ISR) operations. The next-generation imaging system features improved long-wave IR (LWIR) thermal cameras with narrow-angle 32 mm and wide-angle 9.2 mm IR with 7.6x electronic zoom, allowing operators to capture high-resolution video at extended range. Designed for both superior night and low-light performance, the new imaging system also includes an upgraded 5-megapixel monochrome low-light camera sensor and high-powered 860 nm laser illuminator. Through its advanced suite of sensors, the Mantis i45 N payload allows Puma UAS operators to extend aircraft standoff distance for covert operations.

AeroVironment's Mantis i45 N provides maximum visibility during low-light or nighttime intelligence, surveillance and reconnaissance (ISR) operations. (Image: AeroVironment, Inc.)

"Today's battlefield is dynamic and UAS operators increasingly rely on multiple payloads to successfully complete their missions," said Charles Dean,

AeroVironment vice president for global business development and sales of UAS. "The new Mantis i45 N is a game changer during low-light or nighttime ISR operations, delivering increased situational awareness and advanced threat detection in any environment."

Built on the trusted and battlefield proven Mantis i45, the enhanced night variant Mantis i45 N maintains the same housing form-factor, allowing for a quick and simple change-out of payloads between day and night operations. Plug and play operational, no software updates are required for Puma UAS avionics or ground control stations for legacy system compatibility. Mantis i45 N is also natively compatible with AeroVironment's Crystals™ next generation ground control solution. To learn more, visit: <https://www.avinc.com/uas/payloads>.

### ABOUT AEROVIRONMENT, INC.

AeroVironment (NASDAQ: AVAV) provides technology solutions at the intersection of robotics, sensors, software analytics and connectivity that deliver more actionable intelligence so you can **Proceed with Certainty**. Headquartered in Virginia, AeroVironment is a global leader in intelligent, multi-domain robotic systems and serves defense, government and commercial customers. For more information, visit [www.avinc.com](http://www.avinc.com).

### SAFE HARBOR STATEMENT

Certain statements in this press release may constitute "forward-looking statements" as that term is defined in the Private Securities Litigation Reform Act of 1995. These statements are made on the basis of current expectations, forecasts and assumptions that involve risks and uncertainties, including, but not limited to, economic, competitive, governmental and technological factors outside of our control, that may cause our business,

strategy or actual results to differ materially from those expressed or implied. Factors that could cause actual results to differ materially from the forward-looking statements include, but are not limited to, our ability to perform under existing contracts and obtain additional contracts; changes in the regulatory environment; the activities of competitors; failure of the markets in which we operate to grow; failure to expand into new markets; failure to develop new products or integrate new technology with current products; and general economic and business conditions in the United States and elsewhere in the world. For a further list and description of such risks and uncertainties, see the reports we file with the Securities and Exchange Commission. We do not intend, and undertake no obligation, to update any forward-looking statements, whether as a result of new information, future events or otherwise.

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