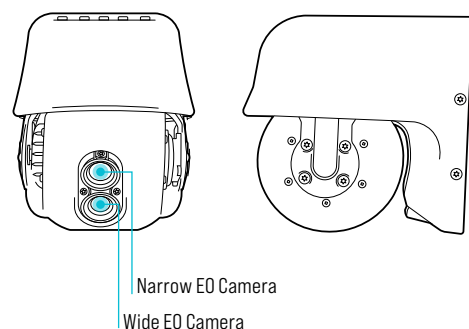




Mantis™ i23 D is a compact, high-performance daytime imaging payload system for intelligence, surveillance and reconnaissance (ISR) operations at an extended range. At just 13.4 ounces (380 grams), the ultralight imaging system features dual 18 MP EO sensors for superior image quality and class-leading 24x digital zoom, providing unmatched daytime surveillance performance in a 3-inch payload. Through its advanced suite of sensors, extended zoom capability, onboard processing and digital stabilization, the Mantis i23 D payload allows operators to extend aircraft standoff distance without compromising image quality.

SPECIFICATIONS

ELECTRO-OPTICAL (EO)	Resolution: Dual 18 MP color HFOV: 53.1° to 2.4° Zoom: 6 levels; 24x
VIDEO	SD @ 30 fps
WEIGHT	13.4 oz (380 g)
BALL DIAMETER	3.15 in (8 cm)
OPERATING TEMPERATURE	-29 to 50 °C
WEATHERIZATION	Water resistant
PAN	360° rotation, continuous
TILT	-90° to +30°
PROCESSING	Onboard; electronic image stabilization



KEY FEATURES

- » *Dual EO sensors & 24x digital zoom for class-leading daytime performance*
- » *Greater standoff distance without compromising image quality*
- » *Lightweight & compact design*
- » *No software updates to avionics or ground control systems required*
- » *MIL-STD-810H certified—water & dust resistant for maximum mission flexibility*



Wide-view: 58.3° HFOV



Narrow-view: 24x zoom