

DEFENSE & SECURITY

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L3HARRIS™
FAST. FORWARD.



WESCAM MX™ - 20 FULLY DIGITAL / HIGH DEFINITION

Ultra Long-Range Multi-Sensor, Multi-Spectral Imaging Systems

The WESCAM MX-20 is ideal for high-altitude, long-range maritime patrol and persistent surveillance.

MULTI-SENSOR IMAGING/LASING PAYLOAD OPTIONS

- Supports seven payload items simultaneously
- HD thermal, HD daylight , HD low-light and HD SWIR cameras provide 24/7 imaging
- Continuous wide-angle zoom
- High-magnification step-zoom spotter
- High-sensitivity color imaging
- Eye-safe laser rangefinder¹
- Laser illuminator in choice of wide, narrow or ultra narrow divergence

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HIGH-PERFORMANCE GIMBAL

- 5-axis stabilized turret with internal passive isolator for excellent stabilization performance
- Sharp optics and superior stabilization performance results in industry leading target detection, recognition and identification range performance in the large turret class
- Inertial Measurement Unit (IMU) mounted to optical bench for high target location accuracy
- Inertial Navigation System (INS) auto-align to aircraft

ADVANCED IMAGE PROCESSING

Real-time image enhancement on all sensors

- High-performance haze penetration Improved feature recognition and ID
- 2x, 4x Ezoom
- Advanced video tracker
- Imaging blending
- Embedded Moving Target Indication
- Pseudo-color IR





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INTERFACE FLEXIBILITY

- > Built-in video switch matrix provides multiple HD-SDI and analog video outputs
- > 720p or 1080p HD video
- > Wide range of data ports: RS-232/422, Ethernet, MIL-STD-1553B, ARINC429
- > All standard WESCAM MX-Series functional interfaces

RUGGEDNESS

- > MilSpec environmental, EMC, and power quality qualification
- > Built-in vibration isolator protects internal payload components
- > Rigorous environmental stress screening (ESS)
- > Designed to minimize maintenance requirements and simplify repair

SIMPLIFIED AIRCRAFT INTEGRATION

- > Built-in vibration isolation
- > GPS receiver built into electronics unit
- > No calibration required for Line Replaceable Unit (LRU) swapout





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WESCAM MX[™] - 20 FULLY DIGITAL / HIGH DEFINITION

Ultra Long-Range Multi-Sensor, Multi-Spectral Imaging Systems

Standard Version set

- > Precision stabilized gimbal With inertial measurement unit (IMU) inside
- > HD digital and analog Video output
- > Multi sensor payload:
 - > Thermal imager, cooled MWIR, SD 640 x 512 pixel, step zoom
 - > Color imager. HD 1920 x 1080 pixel, continuous zoom
 - > Spotter, High Sensitivity Color daylight imager. HD 1920 x 1080 pixel step zoom
- > Digital Master Control Unit (DMCU)
- > Advanced image processing on all sensors
- > Hand controller unit (HCU). backlit, NVG compatible, with 1.8m (6') cable, bracket and shipping case
- > Transit case and stand
- > Balun and Mating Connector (Qty 2) to support interface to HD Video Display
- > Operator manual
- > Default pant color: grey (other color options available)Note: Matching cables or connector kits are separately priced items. Due to connector lead-time it is recommended that a connector kit be purchased at time of order.

Optional parts

HDIR-MX20: Thermal imager, cooled MWIR, HD 1280 x 1024 pixel, step-zoom (Replaces SD Thermal imager)

Electro Optic N,mow (EON) Sensor DCNS-THD-MX20: Upgrades Spotter to Dual channel spotter, color and low light, step zoom

- > High sensitive Color imager, HD 1920 x 1080 pixel
- > Lowlight imager, HD 1920 x 1080 pixel

Laser Sensors Available for MX-20

Configuration: (not applicable for MX-200) LRF-MX20

Laser rangefinder, eyesafe

MX-GEO-GPS-INT

MX-GEO With internal GPS

- > Enables Auto and Auto-Aid steering modes
- > Enables GeoPomting ,Geolocation and GeoFocus
- > Includes embedded GPS receiver and antenna
- > Supports single or dual band applications

AVT (Advance video tracker)

- > Functions on any imaging sensor video
- > Note: Includes AVGT mode, when purchased with MX-GEO

MX-RCS: Remote control subsystem (RCS) interface

- > Control turret by a host computer / mission system
- > Supported on one of RS-422, Ethernet, or MIL-STD-1554b port

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