WESCAM MX™-20D.
FULLY DIGITAL. HIGH DEFINITION.

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

The WESCAM MX-20D is ideal for high-altitude, covert intelligence, surveillance & reconnaissance, armed reconnaissance, combat search and rescue (CSAR) and target designation.

MULTI-SENSOR IMAGING/LASING PAYLOAD OPTIONS

> Supports eight 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
> Compact, efficient, reliable laser target designator
> SWIR camera images designator spot
> Eye-safe laser rangefinder
> Laser illuminator in choice of narrow or ultra narrow divergence
> Laser spot tracker

HIGH-PERFORMANCE GIMBAL

> 5-axis stabilized turret with internal passive isolator for superior stabilization performance
> Sharp optics and excellent 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
> Full laser stabilization minimizes spot jitter

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

Use of U.S. DoD visual information does not imply or constitute DoD endorsement.
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