

WESCAM MX-20 (AN ASX-4 or AN AAQ-30)



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VENDOR DESCRIPTION

The WESCAM MX-20 (AN ASX-4) provides ultra-high stabilization and image resolution. The MX-20 can be configured in dual, tri, quad, penta and hexa sensor configurations and features a Litton 200 IMU mounted to the optical bench for precision geo-locating and targeting. The MX-20's large aperture/high-resolution optics and less than 5 micro-radian stabilization enable precision long-range stand-off target recognition and identification with the ability to laser designate in the Quad Sensor configuration. Image processing, multi-state auto tracking and integrated moving map option provide tactical functionality. The baseline Tri-Sensor configuration includes a 640x480 InSb FLIR, 3CCD Color Zoom Camera and 950mm color CCD spotter camera. The AN-AAQ-30 TSS is a Lockheed Martin-produced variant of the MX-20 with Laser Designator.



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Business Category: Large Business

EOIRLD

Hardware		Gimbal
RF Frequency: N/A	Operating Temp.: -55°C to +55°C	Height: 26.3" Weight: 185 lbs
Power: 500W nom./1000W max.	Storage Temp.: -55°C to +71°C	Stabilization: < 5 micro radians
Weight: 84.1 kg or 185 lbs	Interface: RS-232/422, AIRINC 429, 1553B	Pointing Accuracy: < 1mrad rms
Dimensions: 53cm (21") dia x 67cm (26.3) high	Bandwidth Required: N/A	Angular Speed: 0-60°/sec
Internal Volume: N/A	TCDL Compatibility: Yes	Azimuth Coverage: 360°
Cooling: Ambient air	MTBF: > 1200 hrs	Elevation Coverage: +90°-120°
LOS Stabilization: < 5 micro radians	MTTR: .5 hrs	Slew Rate Azimuth: 0-60°/sec
Auto Video Tracker: Yes	Maintainability: 2-level BIT to LRM level	Slew Rate Elev. Coverage: 0-60°/sec
Operating Altitude: 0 ft to 52k ft MSL	Pd: 90% @ 87km	TLE: < 10 meters
Operating Speed: 0 knots to 405 knots	Pr: 90% @ 35km	ATC or ATR or ATI: N/A

Electro-Optical (EO)	Infrared (IR)	Laser Designator
Type: Zoom and Spotter – 3CCD	Type: InSb / Staring Array	Pulse Characteristics: Pulse duration 17 ±5ns
Resolution: 800 lines both	Resolution: 640x480	Pulse Energy: 100 mj
Range: N/A	Range: 3-5 < 0.030 km NETD	Range: < 8 km
Angular Coverage: N/A	Angular Coverage: N/A	Angular Coverage: N/A
Zoom Rate: N/A	Cooling Method: Stirling cycle cooler	Cooling Method: Dry heat exchanger
Modes of Operation: N/A	Modes of Operation: N/A	Modes of Operation: Q-switch up to 20Hz NATO Codes Band I & II
Target Size: APC	Target Size: APC 4 FOV	Beam Divergence: 0.25 Mrad, 0.22 avg.
Field of View: Zoom -30.3-1.62 Spotter -0.46, .23, .15, -0.087 optical (Color)	HWFOV: 21.7	Wavelength: 1.064 ± 0.002um NdYag
Sensitivity: Monochrome Zoom 1 lux; Color Zoom 3 lux; Monochrome Spotter .03 lux	HMFOV: 4.4	TLE: 10m at 10km
Color or B/W: Color/Both	HNFOV: .88 HVNFOV .29	