CEBAR INDUSTRIES



D2S DMR+

DIGITAL SMART SCOPE

Technical Data Sheet

up to 2,500 m	> 5,500 m	20 Mpx	> 200×	2.1 kg
ENGAGEMENT RANGE	LASER RANGE FINDER	CAMERA SENSOR	TOTAL COMBINED ZOOM	WEIGHT, SCOPE ONLY

Specifications subject to change without notice.

D2S DMR+

DIGITAL SMART SCOPE

TECHNICAL DATA

OPTICS & IMAGING

Optical Camera	20 Mpx digital camera sensor (CMOS) @ 30 FPS, 0.5 Lux light sensitivity
Infrared Camera	On customer request
Thermal Optic	On customer request
Optical Zoom	Min. optical zoom: 4.2×
Digital Zoom	Digital zoom only: 131× (16 digital zoom stages / customizable to user specs)
Total Zoom	Total combined zoom: > 200×
Field of View	5.1° – 0.44° (89 – 7.8 mil / 87.5 – 7.6 mrad)
Display	4K resolution equivalent 1:1 ratio OLED display (up to 3,000 nits)
Ocular	Display magnification with no fixed eye relief / focal distance No lens shadow / keyhole effect Fixed field of view for display independent of eye distance

RANGE & WIND DETECTION

Engagement Range	Up to 2,500 m for first shot accuracy
Laser Range Finder	1535 nm IR laser, range > 5,500 m
Wind Correction	Manual or vocal input (speed & direction); optional automatic detection via ultrasonic sensor over Bluetooth
Caliber Range	5.56 – 12.7 mm / 5.45 – 14.5 mm

BALLISTICS & FIRE CONTROL

Targeting Adjustment	Instant crosshair adjustment relative to target for ballistic trajectory
Adjustment Range	Equal horizontal & vertical adjustment range +/- 40 mil / 400 clicks Rail inclination can extend maximum adjustment range
Ballistic Database	Multiple ammunition profiles with instant selection; data via EB-MK ONE radar analyzer
Target Lock	Single button or voice activated — target with visual marker tracking even with movement
Engagement Speed	<10 seconds

NETWORK & C2 INTEGRATION

Data Links	WiFi · Bluetooth
Battle Management	Marked targets on map with coordinates, map overlays, points of interest
Tactical Map	Own position, view direction, friendly and hostile markers; street and topographic maps
Real-Time Camera Stream	Camera stream transmitted via WiFi through IP to networked devices

SENSORS & NAVIGATION

Environmental	Temperature · Pressure · Humidity · Local Gravity
Positional	Multi-gyro — elevation, yaw and cant angles
Satellite Navigation	6 worldwide GNSS reference systems
Target Tracking	Stationary and moving objects in view area
Operating Temperature	-40 °C to +70 °C
Storage Temperature	-40 °C to +80 °C

PHYSICAL & POWER – DMR+

Weight	2.1 kg scope only / 2.21 kg with mount
Dimensions (L × W × H)	350 × 100 × 95 mm
Shock Resistance	Up to 12.7 / 14.5 mm — 40 mm LV & MV
Battery Capacity	12,000 mAh / 45 Wh
Charging	Via USB-C at 5 – 24 V / 20 W, also available from power banks
Runtime — Full Power	~6 h
Runtime — Standby	~24 h (time to full power ~2 s)
Runtime — Cold Start Power Saving	>7 days (time to full power 20 s)

AI & DIGITAL PROCESSING

Object Recognition	AI-based target identification & classification
Voice Control	Full hands-free operation via voice recognition for all core functions
Image Processing	Mirage and atmospheric distortion reduction at long range
Engagement Recording	On board camera stream recording for after-action review

OPERATIONAL

Night Operation	Low-light capable via high +27 dB camera gain; enables operation during dawn & dusk without clip-on devices
Operator Proficiency	Very low required capability entry level for operation
Forward Observation	Extended-range target acquisition beyond effective engagement range

Revolutionary Digital Optical Systems

The D2S DMR+ Digital Scope represents a breakthrough in optical technology, combining cutting-edge digital imaging with advanced ballistic computation to deliver superior targeting accuracy in all operational conditions.

A high-precision computerized targeting optic designed for universal use with small arms in 5.56–12.7 mm / 5.45–14.5 mm calibers. Combines sophisticated electronics and software for safe, accurate targeting from 25m to 1,200m (standard) or up to 2,500m (super long range edition). Enables novice or untrained operators to achieve expert-level results by automating ballistic calculations and firing processes.





CEBAR INDUSTRIES

German engineering, made in the UAE

"Engineering the Future of Defence in the Heart of the GCC"

CEBAR OPTICAL MAGNIFYING INSTRUMENTS MANUFACTURING - L.L.C

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