

ROCKY DB6

night vision solution

AMREL[®]
Pioneering Customized Rugged Solutions

DC FILTER
2.5% Transmission
2.5



- ✓ **No Detectability**
- ✓ **No IR Signature**
- ✓ **No Problem**

Stay safe in the dark wherever you are

Whether you're scrambling through dirt or flying through the air, the ROCKY DB6 Night Vision Rugged Handheld is the perfect small footprint solution for you. Using industry-leading SafeNight™¹ filters, this powerful handheld minimizes infrared signatures and decreases light transmission to just 2.5%!

- **MIL-STD 3009** - CECOM/CSLP also
- **Polymeric optical filtering** - Non-flammable materials
- **Full color rendering** - Great for mapping applications

Smallest, fully rugged handheld with full Windows OS

With its powerful ATOM processor, the ROCKY DB6 handheld runs the same programs as your laptop. Independently certified to MIL-STD 810, the fully rugged ROCKY DB6 weighs just 1.5 pounds, and slips easily into a cargo pocket.

AMREL's Night Vision Series

Other AMREL Night Vision Solutions include the ROCKY DK10 fully rugged tablet, and the ROCKY RS11, the lightest, thinnest rugged laptop in the world.

LCD Field Lighting Simulation



Compliant to: MIL-STD-3009 / CECOM (CSLP)



DB6 TECHNICAL SPECIFICATIONS

| Item | Standard | Upgrades |
|----------------------------------|--|---|
| Environmental Rating | MIL-STD 810G, IP-55 | |
| Military Package (Option) | NATO Green, MIL-STD 461F, IP-65, Metal TwistLock Amphenol (621N Series) power connector | Ground Army available (EMI) |
| Operating System | Genuine Microsoft Windows® 7 Professional 32-bit | Genuine Microsoft Windows® 7 Ultimate 32-bit |
| CPU | Intel® Atom™ Z530 1.6 GHz Processor, 533MHz FSB, 512KB L2 Cache | |
| Memory | 2GB DDR2 533 MHz | |
| Graphics | Intel® GMA 500 | |
| Display | 5" (800 x 480) Sunlight readable LED Backlit, anti-glare, anti-reflective screen | |
| Storage | 32 GB, 1.8" high shock-resistant PATA ZIF Solid State Hard Drive (SSHD) , Max 5mm height | <ul style="list-style-type: none"> Any 1.8" high shock-resistant PATA ZIF SSHD Max 5mm height* |
| Night Vision | NVIS filter (2.5% transmission) | Different filter ranges available by request |
| Audio | Integrated speakers, Intel HD audio | |
| Keypad | <ul style="list-style-type: none"> Text input, AP settings, volume up/down, Mouse left/right button, Screen on/off, camera, screen rotation, login, FN key Function: LCD brightness up/down, Keypad backlight on/off, Input lock | |
| Wireless | Bluetooth® v2.1 +EDR, See Integrated Options for more choices | |
| LED Indicator | Power: Green/Red, Charging: Orange, HDD: Green/Red, Wireless: Blue | |
| I/O Interface* | Internal: 1553 Card, USB 2.0 Host x 1, SD (SDHC) card slot x 1, SIM card slot x 1, Cradle POGO connector x 1 | Top Hirose Connection (up to 2 interfaces): Sealed USB, RS-232, Audio, or Gigabit LAN Bottom POGO Connection (Choose from): Sealed USB, Gigabit LAN, Audio, RS-232, VGA, DC-In |
| Power | Main Battery: <ul style="list-style-type: none"> 7.4V, 3900mAh Lithium-ion Approx. 7-hour battery life (varies with use) Warm-swappable in standby mode within 30 seconds | AC Adapter: <ul style="list-style-type: none"> AC Input: 100V~240V/50-60Hz DC Output: 36W max Direct DC: 12~32V input Optional MIL-1275 DC Vehicle adapter* |
| Color | Black | |
| Overall Dimensions | 7.87 in x 3.70 in x 1.42 in (200 mm x 94 mm x 36 mm) | |
| Weight | 1.52 lbs (0.69kg) | |

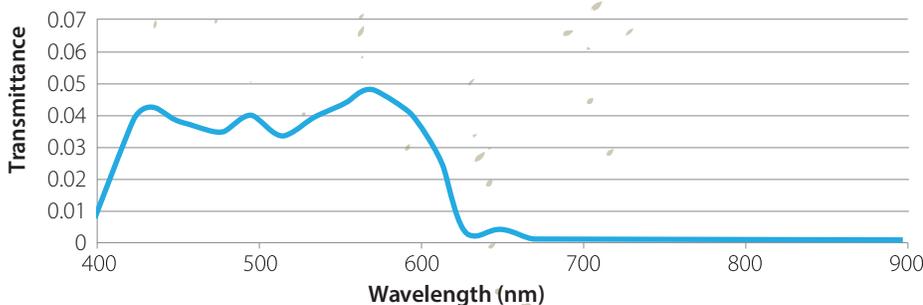
| Integrated Options | Optional |
|---------------------------|--|
| Wireless LAN | Intel WiFi Link 6205 a/g/n |
| Wireless WAN | Cinterion HC25, HSDPA/UMTS 3.5G (data only) |
| GPS | Ublox LEA-6H (SMA connector available) |
| Fingerprint Reader | Validity VS301 |
| Camera | AF 2.0MP web camera with dual LED flashlight |

| Accessories | Optional |
|--------------------------------|---|
| Double-capacity Battery | 7.4V, 7800mAh high-capacity Lithium-ion, Approx. 14-hour battery life (varies with use) |
| Multi-battery Charger | Four slots for high-capacity battery with 90W AC Adapter |
| Cradle | Serial port x 1, VGA x 1, LAN x 1, USB 2.0 x 3, USB Client x 1, DC Power Jack x 1, Stylus x 1 |
| Rubber Jacket | Extra traction and security in your hands |

| Environmental Ratings | |
|-------------------------------|--|
| MIL-STD 810G Certified | |
| • Shock | 516.6, Procedure I |
| • Vibration | A. 514.6, Procedure I, Category 20 / B. 514.6, Procedure I, Category 14 C. 514.6, Procedure IV, Category 24 |
| • Rain Humidity Salt Fog | 506.5, Procedure II 507.5 (Aggravated) 509.5 |
| • Altitude | Method 500.5, Procedure I and II / Operating: 15,000 ft (4,572m) Storage: 40,000 ft (12,192m) |
| • High/Low Temperature | Method 501.5, Procedure I and II / Method 502.5, Procedure I and II Operating: -4°F to 122°F / -20°C to 50°C Storage: -40°F to 158°F / -40°C to 70°C |
| • Temperature Shock | Method 503.5, Procedure I-A / Operating: -4°F to 140°F / -20°C to 60°C |
| • Explosive Atmosphere | Method 511.5, Procedure I |
| • Solar Radiation | Method 505.5, Procedure I-A1 |
| MIL-STD 461F Certified | EMI/EMC (Military Package only) |
| IEC IP-55 Certified | Dust-protected; water jets |
| IEC IP-65 Certified | Dust-tight; water jets (Military Package only) |



DC2.5



Typical Performance

Source: White LED
 Y% = 2.5
 T2B = 0.0%
 u' = .190
 v' = .450
 NRb* = < 2.2E-9
 Black NRb** = 4E-11

*Scaled to 0.5 fL.
 **Scaled to 0.001 fL.



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* Contact AMREL for more information
 **Specifications subject to change without notice
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