ROCKY
DK10
night vision solution

NIGHT SECURE

DC FILTER
2.5% Transmission
2.5

AMREL®
Pioneering Customized Rugged Solutions

☑ *No Detectability*
☑ *No IR Signature*
☑ *No Problem*

On Land & in the Air, You Own the Night

The ROCKY DK10 Night Vision Rugged Tablet is the perfect solution for both ground and aviation applications. Using industry-leading SafeNight™[1] filters, this truly tough tablet 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

Small Footprint with a Big 12.1" Display

Enjoy the convenience of a compact tablet and never miss a thing on its 12.1" screen. With a powerful i7 processor and MIL-STD 810 certification, the ROCKY RDK10 is perfect for applications in which mobility, ruggedness, and reliability are critical. AMREL's experts will customize the ROCKY DK10 to your exact needs and even extend the manufacturer's warranty to the modifications we perform.

AMREL's Night Vision Series

Other AMREL Night Vision Solutions include the ROCKY RS11, the lightest, thinnest rugged laptop in the world, and the ROCKY DB6, the smallest fully rugged handheld that runs full Windows OS.

LCD Field Lighting Simulation

[Normal LCD infared emissions]

VS.

[Safe night operation with the DC2.5 filter]

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

IP DUST-TIGHT | HIGH TEMP | HUMIDITY | LOW PRESSURE | LOW TEMP | RAIN | SALT FOG | SHOCK | TEMP SHOCK | VIBRATION | IP WATER SPRAY

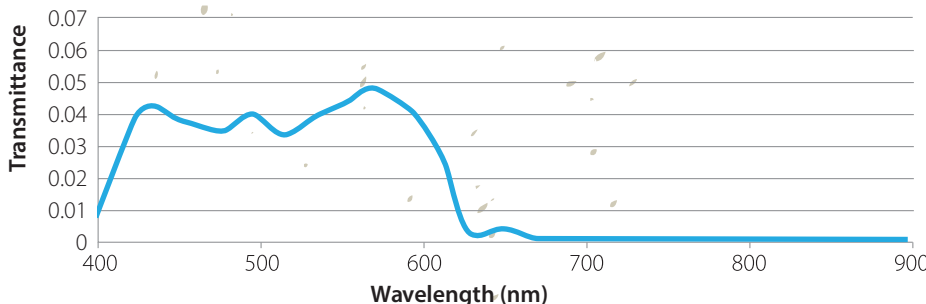| Item	Standard	Upgrades
Environmental Rating	MIL-STD 810G & IP-65	MIL-STD 461F (Military package only)
Operating System	Windows® 7or 8 Professional	
CPU	Intel® Sandy Bridge i7-2610UE Processor, (4M Cache, up to 2.40 GHz)	
Memory	4GB DDR3 1333MHz	Max: 8GB DDR3 1333MHz
Graphics	Intel® HD Graphics 3000	
Display	12.1" XGA (1024 x 768) with LED Backlit, Sunlight readable	
Night Vision	NVIS filter (2.5% transmission)	Different filter ranges available by request
Storage	Removable 2.5" 500 GB (7200 rpm) SATA II HDD (Optional Removable 2.5" SATA II SSD)	• Any 1.8" high shock-resistant PATA ZIF SSHD • Max 5mm height*
Audio	Realtek ALC262 HD audio and stereo speakers	
Touchscreen	Single Touch Resistive Panel (USB interface)	
Buttons (Front)	Power, F1~F4, Tab, +/-, Esc, Ctrl, Alt, Del, Fn,	Enter, LCD brightness up/down, up/down/left/right	arrow keys, Function Backlight, Left Mouse Button, Track Pointer	
I/O Interface	**Left:** Gigabit LAN RJ45 x 1, USB 2.0 x 1, USB 3.0 x 1	Multi bay: Express Card/54 Slot x 1 (top) & SIM Card Slot x 1 SD Card Slot x 1 (bottom) **Right:** Serial port DB9 x 1 DC Power Jack x 1: (2-pin & optional MIL 3-pin) **Rear:** Second battery connector **Bottom:** Docking Connector x 1	
Power	**Main Battery:** 11.1 V/7200mAh Li-Ion battery **AC Adapter:** 90W AC 100V~240V 50/60Hz **DC In:** 12V~32V with surge protector (Industry 2 pin or Military 3pin)	**Optional second battery:** 11.1 V/7200mAh Li-Ion battery
Color	Black or NATO Green (on Military models)	
Overall Dimensions	12.20 in x 10.04 in x 2.13 in (310 mm x 255 mm x 54 mm)	
Weight	5.51 lbs (2.5 Kg)	

Integrated Options	Optional
Wireless LAN	Intel® Centrino Advanced-N 6235 (802.11 a/b/g/n)
Wireless WAN	Gobi 3000
Wireless PAN	Bluetooth®
GPS	Ublox LEA-6H
Security	TPM 1.2

Accessories	Optional
2nd Battery	11.1V, 7200mAh Lithium-Ion
Multi-battery Charger	Charges two primary & one secondary battery
Docklight	RGB DB15 Port x 1, USB 2.0 x 4 (Standard USB Jack x 2; Sealed USB x 2), Serial Port DB9 x 2 (COM2/COM3: Default RS232), Audio Jacks x 1, DC Power Jack x 1 (Optional Military 3-pin), Optional GLAN RJ45 x 1 Mounts directly to tablet
Stand	For vehicle or office, tilt mechanism, security lock (Same as DK8)
Mini Keyboard KBD	Full QWERTY-keyboard functionality in a compact package .Keys are back lit.
External Keyboard	89-key backlit keyboard

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 I, Category 4
• Rain	Humidity	Salt Fog	506.5, Procedure II	507.5	509.5
• Altitude	Method 500.5, Procedure I, II	Operating: 15,000 ft (4,572 m)
• 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
IEC IP-65 Certified	Dust-tight; water jet

DC2.5

Transmittance vs Wavelength (nm) chart, values 0 to 0.07 on Y-axis, 400 to 900 on X-axis.

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.

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