

ROCKY RS11

night vision solution

AMREL[®]
Pioneering Customized Rugged Solutions

DC FILTER
2.5% Transmission

2.5



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

You own the night

Whether you're conducting a covert mission, or flying an airplane, the ROCKY RS11 Night Vision Rugged Laptop is the perfect solution. Using industry-leading SafeNight™ filters, the super thin, fully rugged RS11 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

The lightest, thinnest, fully rugged laptop in the world

Tough enough to be MIL-STD 810 certified, and sporting a powerful i7 processor, the slim ROCKY RS11 is perfect for mobile applications in which a low footprint is critical.

AMREL's Night Vision Series

Other AMREL Night Vision Solutions include the ROCKY DK10 fully rugged tablet, and the ROCKY DB6, the smallest fully rugged handheld that runs full Windows OS.

LCD Field Lighting Simulation



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



RS11 TECHNICAL SPECIFICATIONS

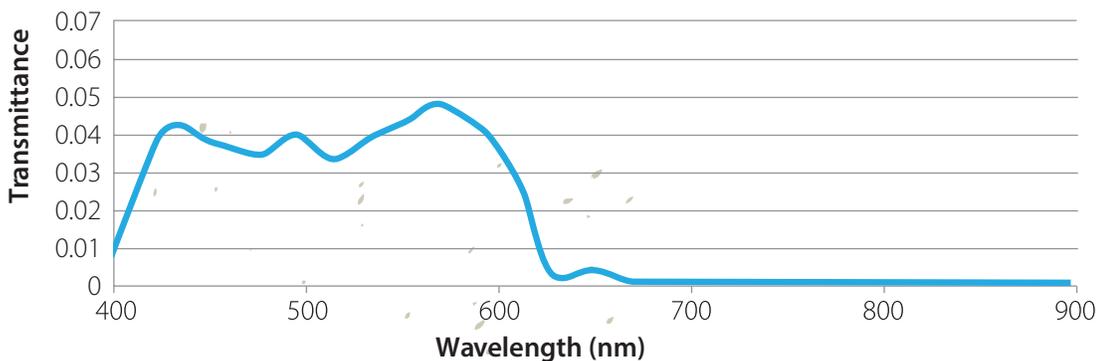
Item	Standard	Upgrades
Environmental Rating	MIL-STD 810G & IP-65	MIL-STD 461F (Military package only)
Operating System	Windows® 7 or 8	
CPU	Intel® Core™ i71.7 GHz Processor (Turbo Boost: Up to 2.8 GHz), 4MB Intel® Smart Cache	
Memory	4GB DDR3 1600 MHz	Max: 8GB DDR3 1600 MHz
Graphics	Intel® HD Graphics 4000	
Display	13.3" HD+ (1600 x900) LCD with LED B/L (IPS), Sunlight Readable	
Night Vision	NVIS filter (2.5% transmission)	Different filter ranges available by request
Storage	Removable 2.5" 120GB SATA II/III Solid State Hard Drive	SLC or MLC SSD HDD
Audio	HD Audio and Stereo Speakers, Embedded Digital Mic	
Keyboard	87-key with Backlight (Membrane Type)	
Touchpad	Capacitive Touchpad with Multi-touch, (Win 8 compatible)	
I/O Interface	Left: SD Card Slot x 1, SIM Card Slot x 1, USB 3.0 x 1, USB 3.0 x 1 with fast charger, GLAN RJ45 Rear: DC-in Connector x 1 Bottom: Multi Bay port x 1 (PCI-e x 1, USB 3.0 x 1, USB 2.0 x 1, Power - VBATA/1A & 5V/1A (reserved for future use)	Sealed Fisher Connectors 1~5 (USB 2.0, VGA, RS232/RS422, GLAN, Audio)
Power	Main Battery: Removable Battery Pack: Li-ion Polymer 11.1V/6040mAh battery AC Adapter: 90W AC 100V~240V 50/60Hz DC In: 19V	Military 3pin twisted lock
Color	Black or NATO Green	
Overall Dimensions	13.3 in x 10.4 in x 1.1 in 338mm(L) x 265mm (W) x 28mm (H) (with bumper guards)	
Weight	6.26 lbs (2.84 Kg) (with battery)	

Integrated Options	Optional
Wireless LAN/PAN	Intel® Centrino Advanced-N 6235 (802.11 a/b/g/n) /Bluetooth®
Wireless WAN	Gobi 3000 HSDPA (AirPrime MC8305)
GPS	Ublox LEA-6H
Security	TPM v1.2 module
Vehicle Adapter	DC-in 12V-32V (with or without surge protector)

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) Storage: 40,000 ft (12,180 m)
• High/Low Temperature	Method 501.5, Procedure I and II Method 502.5, Procedure I and II Operating: -4°F to 131°F / -20°C to 55°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



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.