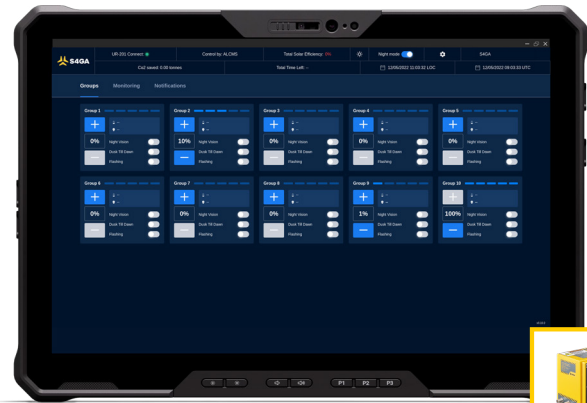


# ALCMS MOBILE COMMAND UNIT

The **S4GA ALCMS Mobile Command Unit** is a fully-rugged control terminal designed for **military airfield lighting operations** in deployed or tactical environments.

Built for **extreme conditions**, it ensures **secure and uninterrupted control** of S4GA airfield lighting systems under any weather or lighting scenario.

**Dual hot-swappable batteries** guarantee continuous mission readiness during long-term deployments.



Requires integration with the S4GA UR-201 Control & Monitoring Unit



STANAG 3534



ICAO Annex 14

IP65 / MIL-STD-810H



**Multi-Touch** Screen



**10 Hours** Battery Runtime



**IP65** Dust And Water Protection



**Drop And Vibration Resistant**



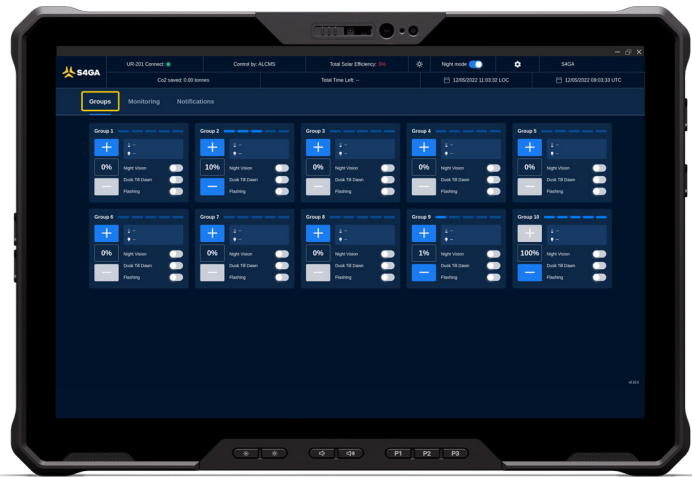
**Gloves Compatible**

Tactical Control Capabilities	
Mission-mode configuration	Quick setup of operational profiles NVG, visible, blackout, emergency
NVG activation	Instant activation of NVG-compatible IR mode for covert and low-light operations
Tactical grouping of lights	Up to 12 independently controlled runway, taxiway, and PAPI groups of lights
Adjustable light brilliancy	Up to 5 selectable levels
Real-time system monitoring	Continuous feedback on all airfield lights and control nodes
Individual light status tracking	27+ technical parameters for each lighting unit are monitored: status, battery level, temperature, charging speed, etc.
Automatic fault detection & alerting	Instant alarm on any light or network failure

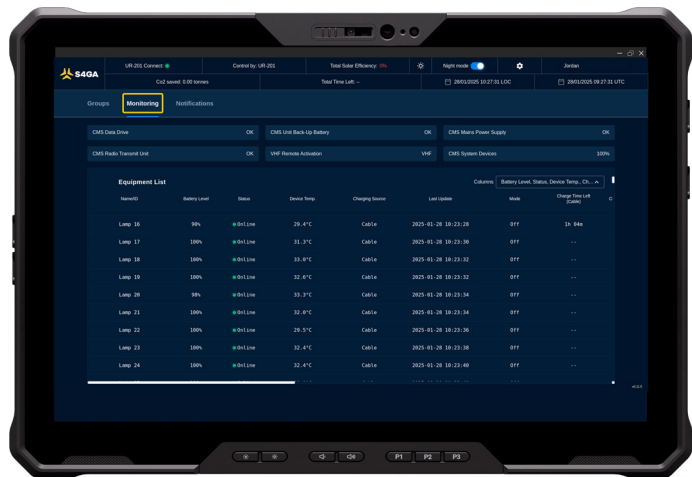


**SOFTWARE SPECIFICATIONS**

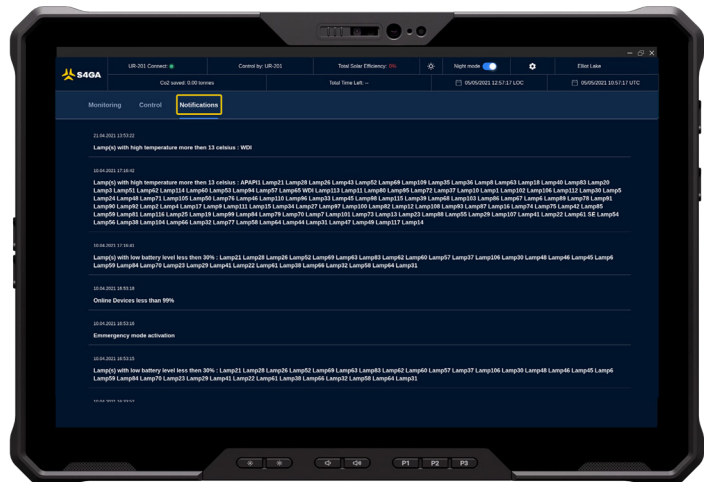
Control (Groups)	
Grouping of lights	Up to 12 groups
Control of entire lighting system	Yes
Brilliancey	5-step intensity setup
Operating modes	Visible / NVG / Remote / Autonomous
Timer	For VHF-activated and GSM-activated modes



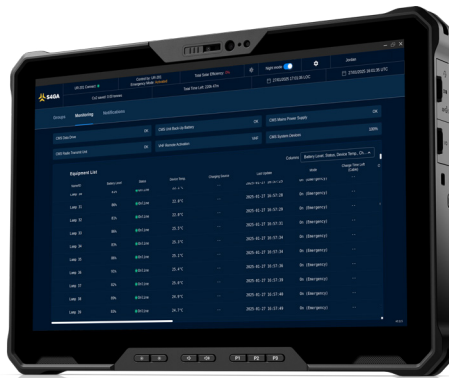
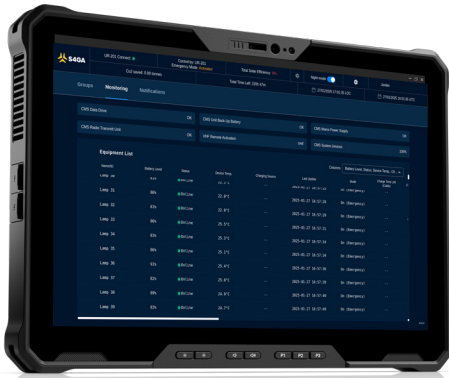
Individual Light Monitoring	
Individual light parameters monitored (27)	<ul style="list-style-type: none"> <li>Lamp status</li> <li>Battery level</li> <li>Charging speed</li> <li>Charging source</li> <li>Temperature</li> <li>Last update</li> <li>+21 additional parameters</li> </ul>
UR-201 control unit parameters monitored	<ul style="list-style-type: none"> <li>Control unit status</li> <li>Mains power supply</li> <li>Backup battery</li> <li>Radio transmit unit</li> <li>VHF remote activation</li> </ul>
Preventive maintenance*	* Allows for planning maintenance works for individual equipment items i.e., battery replacement



Notifications	
Notification Tab provides user with quick overview of all critical issues. Whether light is not working or it has low battery - user will have immediate feedback stored in Notification Tab. Moreover user can customize level of threshold that triggers particular notification (e.g. battery level is lower than x%).	
Key Features	
Automatic failure notification	Yes
Customization of reporting thresholds	Yes



**HARDWARE SPECIFICATIONS**



Technical	
Model	Dell Latitude 7230 Rugged Extreme (Customized for S4GA ALCMS)
Display	12" FHD (1920 x 1200) touchscreen, 16:10 aspect ratio 1200 nits brightness – sunlight-readable, Gorilla® Glass 5
Connectivity	2 x Thunderbolt™ 4 (USB-C) 1 x USB 3.2 (Type-A) Wi-Fi 6E wireless communication Optional 4G LTE / 5G mobile broadband with integrated GPS
Power system	Dual 2-Cell 35.6 Wh Li-Ion hot-swappable batteries (ExpressCharge™) Primary and secondary battery support for extended field missions Continuous operation during battery replacement 65 W or 90 W USB-C power adapter
Construction	MIL-STD-810H and MIL-STD-461G compliant

Operational and Environmental	
Battery performance	Up to 8–10 hours typical battery runtime
Ingress protection	IP65
Operating temperature	–29 °C to +63 °C
Storage temperature	–51 °C to +71 °C
Mechanical durability	Drop-tested from 1.2 m (48 in), vibration resistant
Field usability	Operable with gloves & stylus, anti-glare display
Physical Parameters	Dimensions (LxWxH): 296 mm x 203 mm x 23.9 mm Weight: 1.26 kg (base) / 1.59 kg (with handle)
Warranty	3 years

System Architecture	
System role	Portable command and monitoring interface for ALCMS. Works in conjunction with the S4GA UR-201 Control & Monitoring Unit as part of the ALCMS architecture
Compatibility	S4GA Airfield Lighting Control & Monitoring System
Control method	Wireless control via ALCMS network
Communication range	• Up to 100 m to the UR-201 Control & Monitoring Unit; extended coverage up to 1,500 m through the wireless mesh network

**SHIPPING DATA**

Item	Dimensions of Package (LxWxH)	Gross Weight
ALCMS Mobile Command Unit with accessories	410 mm x 305 mm x 75 mm	2.5 kg

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