



LUNAR Specifications

Technical Specifications	
DIMENSIONS (MAX)	8.0" x 3.6" x 3.0", L x W x H (204 x 91 x 77 mm)
WEIGHT	
LUNAR (WITHOUT BATTERY)	1.5 lb. (660 g)
BATTERY	0.4 lb. (168 g)
DISPLAY	Full color
DIAGONAL	3.5" (89 mm)
SCREEN RESOLUTION	320 x 480
THERMAL IMAGE RESOLUTION	206 x 156 (32,136 pixels)
THERMAL IMAGE FRAME RATE	16 Hz
THERMAL IMAGE PALETTES	>10 available
WIDE AREA CONNECTIVITY	Cellular (LTE-M)
LOCAL AREA CONNECTIVITY	LUNAR Local Alarm Network (self-contained) Bluetooth 5.1 Connectivity
DEGREE OF PROTECTION/INGRESS PROTECTION	IP67
CERTIFICATIONS	<i>UL Approval Type:</i> Gas Class I, Gas Groups C, D, Division 2 – T3 <i>CSA Approval Type:</i> Gas Class I, Gas Groups C, D, Division 2 – T3 <i>Intrinsically Safe/Nonincendive Equipment:</i> Class 1 Div 2

Search & Rescue Technical Specifications	
*F.A.S.T. TECHNOLOGY DISTANCE	
FCC REGIONS	0.5 miles LoS
ETSI/EN REGIONS	0.5 kilometers LoS
TRANSMISSION POWER	
FCC REGIONS	20 dBm / 100 mW
ETSI/EN REGIONS	10 dBm / 10 mW
DIRECTION INDICATION	Circular polarized directional antenna
FREQUENCY	2.4 GHz
*LUNAR LOCAL ALARM NETWORK	Enables an independent ad hoc network keeping consistent connection between all networked LUNARs in range.

* Technology provided by Metirionic GmbH

Battery & Charger Specifications

Battery Specifications	
RUN TIME	8 hours (normal use)
CHARGE TIME	3 hours
CHARGE CYCLES	1000 charge cycles <i>(A charge cycle is when the battery is fully discharged to when the battery is then fully charged.)</i>

Single Point & Multibay Charger Specifications	
MINIMUM INPUT VOLTAGE	100 VAC
MAXIMUM INPUT VOLTAGE	240 VAC

Connectivity	
LTE-M	Creates a direct LUNAR-to-cloud connection enabling local monitoring, remote monitoring, and data retention.
BLUETOOTH 5.1	Allows for two connections to other Bluetooth-enabled devices such as the G1 SCBA and ALTAIR® Gas Detection.