

## SENSOR PACKING LIST

#	Item	DESCRIPTION	Quantity
1	211-0115278	<b>Galaxy PRIME</b> Ultra-compact, wide-area airborne lidar sensor with patented PulseTRAK™ and SwathTRAK™ technology. Includes high-accuracy POSAV AP60 OEM inertial system with non-ITAR IMU and internal SSD	4
2	2110119447B	<b>Power Distribution Unit + External Data Storage</b> Distributes buffered and clean power to various ALTM accessories from external power source; removable SSD data storage	4
3	405-0113126	<b>Flight Management System</b> Full-featured flight management system with real-time sensor protocol for in-air true coverage verification, optional LAS file outputs, integrated camera control and visualization. Controls all system functions; provides navigation and planning capability. Includes: <b>1 - Operator interface and accessories / 1 - VGA pilot display monitor and accessories 1 - Optech FMS-Nav license / 1 - Optech FMS-Sim license / 1 - Optech FMS-Mission Manager license 1 - POSAV license</b>	4
4			
5			
6	405-0117709	<b>External Power Supply</b> AC/DC external power supply (110-220V input) designed to power the Galaxy via the PDU. For system ground training, POS logging or troubleshooting.	1
7	LMS PRO ALTM	<b>SOFTWARE</b> LMS Professional: single-seat network (first license)	1
8	FMS- MISSION MANAGER	<b>SOFTWARE</b> FMS-Mission Manager: flight planning software (first license)	1
9	FMS-NAV ALTM	<b>SOFTWARE</b> FMS-Nav: (first license)	1

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10	FMS-SIM ALTM	<b>SOFTWARE</b> FMS-SIM: Mission diagnostics and ground training software (first license)	1
11	441-0097237	<b>GSM4000 Gyro-Stabilized Mount - Yellow Covers</b> High-performance gyro-stabilized mount for aligned imagery and improved lidar point distribution. Includes proper PAVIR mounting ring, Galaxy cable set and shipping case	4
12			
13	405-0113191	<b>L LF-410 Sensor Frame (GSM3000/4000)</b> F-410 co-mounts a Galaxy lidar sensor with RGB or RGBN cameras via a common drop-in sensor frame. Can be installed in fixed position with vibration isolation collar (not included), or combined with SOMAG GSM3000/4000 gyro-stabilized mount (not included). Includes shipping case	4
14	NA	<b>GSM4000 Lidar Survey Kit</b> GSM4000 Survey Kit tightly integrates a Galaxy lidar sensor into a rigid sensor frame that can be subsequently installed into a SOMAG GSM-4000 gyro-stabilized mount (not included). Includes required licensing	4
15	528-0121188	<b>CAMERAS</b> PhaseOne iXM-RS150F (4-Band) 150MP CMOS sensors provide rapid frame rates at fast shutter speeds (>2 frame per second) for clean, crisp RGBN imagery. Long-life shutter assembly is guaranteed to 500,000 actuations. Includes 2 x iXM-150F camera bodies and lenses, 2x lab calibration reports, iX controller, camera programming and processing software and 2x SSD storage cartridges.	4
16	405-110568	<b>iX Controller Kit</b> This plate enables the mounting of the PhaseOne iX Controller computer to the top of an EDAK crate	4
17	405-0112685	<b>LF-410: PhaseOne 4-Band iXU-RS1000/ iXM-RS100/ iXM-RS150 (RGB/NIR) Kit</b> Comprehensive integration kit enables PhaseOne camera operation with Galaxy lidar	4
18	0113013	<b>Camera Airborne Calibration/Boresight Flight</b> Flight over camera control site enabling refined camera calibration and computed misalignment angles for camera to IMU	4