

Surdex's Imagery and Lidar Sensors: The Right Tools for the Job



Image Sensors

Surdex owns a collection of precision aerial imagery and lidar sensors suited for a wide variety of purposes, allowing us to plan missions with the sensors most suitable for the project.

Surdex's sensors can address any type of project, whatever the complexity and mix of deliverable products. We own and operate the following acquisition sensors.



Leica DMC-1 Digital Mapping Camera



Leica ADS100 Airborne Digital Sensor



Leica RCD30 camera system

Surdex's Image Sensors					
Sensor Make/model	Number and Format	Serial Number	Purchase Date	Calibration Date	IMU Make
LEICA ADS100	5 – Large-format pushbroom	10510	12/27/2012	07/14/2018	SPAN uIRS
		10515	12/27/2012	05/29/2018	
		10522	12/12/2013	01/24/2019	
		10530	05/14/2014	03/13/2019	
		10552	03/31/2016	01/25/2019	
LEICA DMC-1	4 – Large-format frame	146	06/24/2005	03/05/2010	IGI AEROControl-IIe
		148	06/22/2006	05/27/2009	IGI AEROControl-IId
		149	03/22/2007	12/09/2009	
		126	01/01/2020	01/29/2011	Applanix 510 In200
LEICA RCD30*	5 – Medium-format frame	62046	12/27/2012	09/14/2015	LN200
		61018		09/14/2015	
		61006		09/14/2015	
		61004		09/14/2015	
		61003		09/14/2015	

* Operable in standalone, three-head or five-head oblique configurations

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Lidar Sensors

Surdex owns three Optech Galaxy Prime lidar sensors, as well as two Phase One digital frame camera systems, which can be used concurrently for simultaneous lidar and imagery acquisition.

Phase One iXU-RS
1000 digital
image sensor

Optech Galaxy
Prime sensor



Surdex's LidarSensors			
Sensor Make/model	Serial Number	Calibration Date	IMU Make
Teledyne Optech Galaxy Prime	5060416	01/2019	POS AV™ AP60 (OEM)
	5060420	06/2019	
	5060428	06/2019	

Simultaneous Collection Image Sensor (Used with Galaxy Lidar Sensor)

Surdex's Phase One Image Sensor					
Sensor Make/model	Number and Format	Serial Number	Purchase Date	Calibration Date	IMU Make
Phase One iXU-RS-1000	2 systems – Simultaneous w/ lidar sensor	YC010016 (RGB)	10/25/2016	10/25/2016	Applanix AP60
		YC030085 (RGB) & YD030013 (NIR)	03/19/2017	05/01/2018	
		4-band system			

(Integrated with the Galaxy Prime lidar sensor)



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