

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	Calibration Date	IMU Make
LEICA ADS100	5 – Large-format pushbroom	10510 10515 10522 10530 10552	07/14/2018 05/29/2018 01/24/2019 03/13/2019 01/25/2019	SPAN uIRS
LEICA DMC-1	4 – Large-format frame	146 149 126 013	03/05/2010 12/09/2009 01/29/2011 07/01/2011	IGI AEROControl-IIe IGI AEROControl-IId Applanix 510 In200
LEICA RCD30*	5 – Medium-format frame	62046 61018 61006 61004 61003	09/14/2015 09/14/2015 09/14/2015 09/14/2015 09/14/2015	LN200

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

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Lidar Sensors

Surdex owns three Optech Galaxy 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 Lidar Sensors			
Sensor Make/model	Serial Number	Calibration Date	IMU Make
Teledyne Optech Galaxy T2000	5060475	07/2021	POS AV™ AP60 (OEM)
Teledyne Optech Galaxy Prime	5060420 5060428	06/2019 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	Calibration Date	IMU Make
Phase One iXU-RS-1000	2 systems – Simultaneous w/ lidar sensor	YC010016 (RGB)	10/25/2016	Applanix AP60
		YC030085 (RGB) & YD030013 (NIR) 4-band system	05/01/2018	

(Integrated with the Galaxy Prime lidar sensor)



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