



# **Land-based Systems for Remote Sensing**





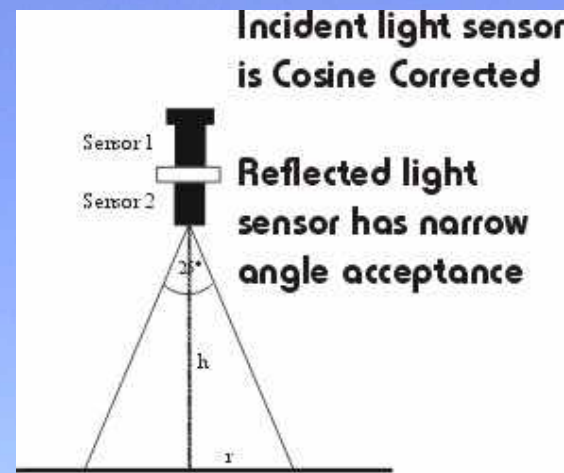
# The System



SpectroSense2+ with  
GPS for mapping



Sensors mounted  
for measuring  
incident & reflected  
light



The Principle



2 or 4 channel  
sensors for required  
wavelengths



DataHog2 for long-term  
logging

## The Location

Precision Agriculture - On Tractors



Precision Agriculture - on UAVs



On Flux Towers  
PRI / NDVI studies



On the Ground  
Ground Truth Studies

On Light Aircraft  
Scaling Up





# ORDERING INFORMATION

Skye Instruments offer sensors and systems with fully traceable calibrations for wavelengths between 280nm and 2400nm. Sensors can be ordered with customised wavebands within this range, or chosen from standard formats such as MODIS, NDVI and PRI as shown below. Wavebands for other satellites such as Landsat, AVHRR, SPOT, IKONOS, ASTER etc. are also popular choices and are available on request.

|   |   |  |
|---|---|--|
| <p><u>Ground Truth for MODIS</u></p> <p>SpectroSense2 Package:<br/>2 x SKR 1850/SS2 4 channel sensors<br/>Channel 1 - 459-479 nm (MODIS 3)<br/>Channel 2 - 545-565 nm (MODIS 4)<br/>Channel 3 - 620-670 nm (MODIS 1)<br/>Channel 4 - 841-876 nm (MODIS 2)<br/>1 x SKL 925 SpectroSense2+ meter/logger with GPS &amp; carrying case<br/>1 x SKL 910 NDVI pole</p> <p><b>Order code: MODIS/SS2</b></p> <p>DataHog2 Package:<br/>2 x SKR 1850/I 4-channel sensors<br/>Channel 1 - 459-479 nm (MODIS 3)<br/>Channel 2 - 545-565 nm (MODIS 4)<br/>Channel 3 - 620-670 nm (MODIS 1)<br/>Channel 4 - 841-876 nm (MODIS 2)<br/>1 x SDL 5400 DataHog2+ Datalogger<br/>1 x SKM 226/NDVI Pole mount for sensors<br/>1 x SKM 225 Pole mount for DataHog</p> <p><b>Order code: MODIS/DH2</b></p> | <p><u>PRI System</u></p> <p>SpectroSense2 Package:<br/>2 x SKR 1800/SS2 2 channel sensors<br/>Channel 1 - 531 nm*<br/>Channel 2 - 570 nm*<br/>(*5 or 10nm bandwidth)<br/>1 x SKL 925 SpectroSense2+ meter/logger with GPS &amp; carrying case<br/>1 x SKL 910 NDVI pole</p> <p><b>Order code: PRI/10nm/SS2 or PRI/5nm/SS2</b></p> <p>DataHog2 Package:<br/>2 x SKR 1800/I 2-channel sensors<br/>Channel 1 - 531 nm*<br/>Channel 2 - 570 nm*<br/>(*5 or 10nm bandwidth)<br/>1 x SDL 5200 DataHog2+ Datalogger<br/>1 x SKM 226/NDVI Pole mount for sensors<br/>1 x SKM 225 Pole mount for DataHog</p> <p><b>Order code: PRI/10nm/DH2 or PRI/5nm/DH2</b></p> | <p><u>NDVI for Weed Cover Mapping or Crop Density</u></p> <p>SpectroSense2 Package:<br/>2 x SKR 1850/SS2 4 channel sensors<br/>Channel 1 - 650 nm<br/>Channel 2 - 800 nm<br/>(*10nm bandwidth)<br/>1 x SKL 925 SpectroSense2+ meter/logger with GPS &amp; carrying case<br/>1 x SKL 910 NDVI pole</p> <p><b>Order code: NDVI/SS2</b></p> <p>DataHog2 Package:<br/>2 x SKR 1850/SS2 4 channel sensors<br/>Channel 1 - 650 nm<br/>Channel 2 - 800 nm<br/>(*10nm bandwidth)<br/>1 x SDL 5200 DataHog2+ Datalogger<br/>1 x SKM 226/NDVI Pole mount for sensors<br/>1 x SKM 225 Pole mount for DataHog</p> <p><b>Order code: NDVI/DH2</b></p> |
| <p><u>Ground Truth for LandSat</u></p> <p>SpectroSense2 Package<br/>2 x SKR 1850/SS2 4 channel sensors<br/>Channel 1 - 450-500 nm<br/>Channel 2 - 500-600 nm<br/>Channel 3 - 650-700 nm<br/>Channel 4 - 775-900 nm<br/>1 x SKL 925 SpectroSense2+ meter/logger with GPS<br/>1 x SKL 910 NDVI pole</p> <p><b>Order code: Landsat/SS2</b></p>   | <p>DataHog2 Package<br/>2 x SKR 1850/I 4-channel sensors<br/>Channel 1 - 450-500 nm<br/>Channel 2 - 500-600 nm<br/>Channel 3 - 650-700 nm<br/>Channel 4 - 775-900 nm<br/>1 x SDL 5400 DataHog2+ Datalogger<br/>1 x SKM 226/NDVI Pole mount for sensors<br/>1 x SKM 225 Pole mount for DataHog</p> <p><b>Order code: Landsat/SS2</b></p>   | <p>Wavelength Tolerance is +/- 3nm. Tolerances quoted are maximum values, typically the variation is much lower.</p> <p><b>please ask about other wavelengths &amp; combinations</b></p>   |

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