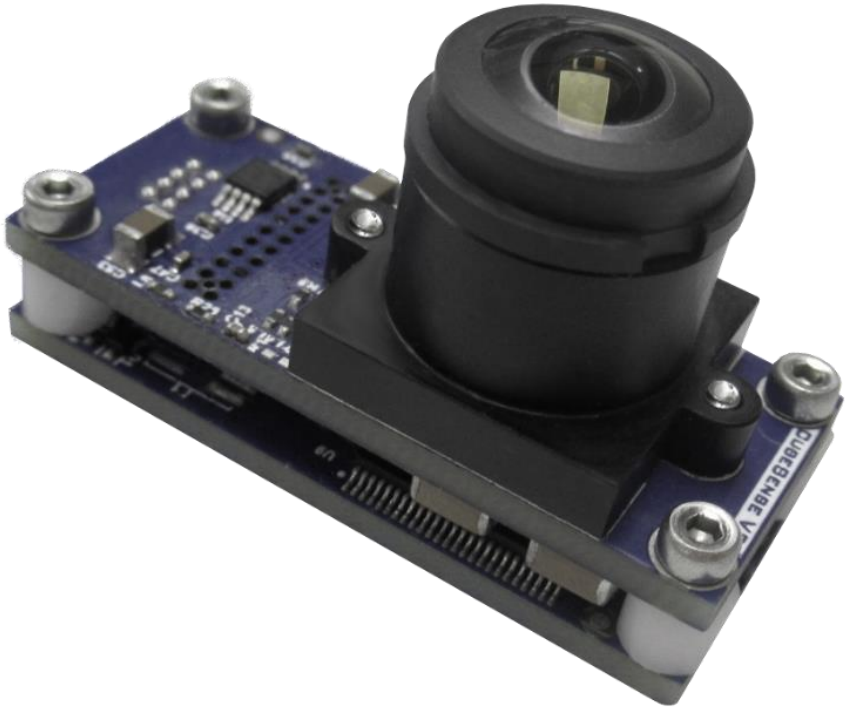
CubeSense V3

Integrated Sun and Nadir Sensor



Configuration Sheet

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Table of Contents

1. Introduction

This document explains the different options available for CubeSense, and provides a way to order a new CubeSense specialized for your needs.

When ordering a CubeSense, complete this document and send it to **sales@cubespace.co.za**

2. Client Information

Company/Institution	
Name of proposed satellite	
Physical address	
Contact person	
E-mail address	
Date	

3. CubeSense Options

The CubeSense camera can be chosen to either be a sun sensor or an earth (nadir) sensor. Please make a selection by filling in Table 1.

Table 1: Camera type selection

Camera Type Selection		
Description	**Sun Sensor**	**Nadir Sensor**
Selection		

The CubeSense connector can be chosen to be either the default straight (Samtech TFM-104-01-L-D) or right-angle (Samtec TFC-104-01-F-D-RA) as shown in the figure below.

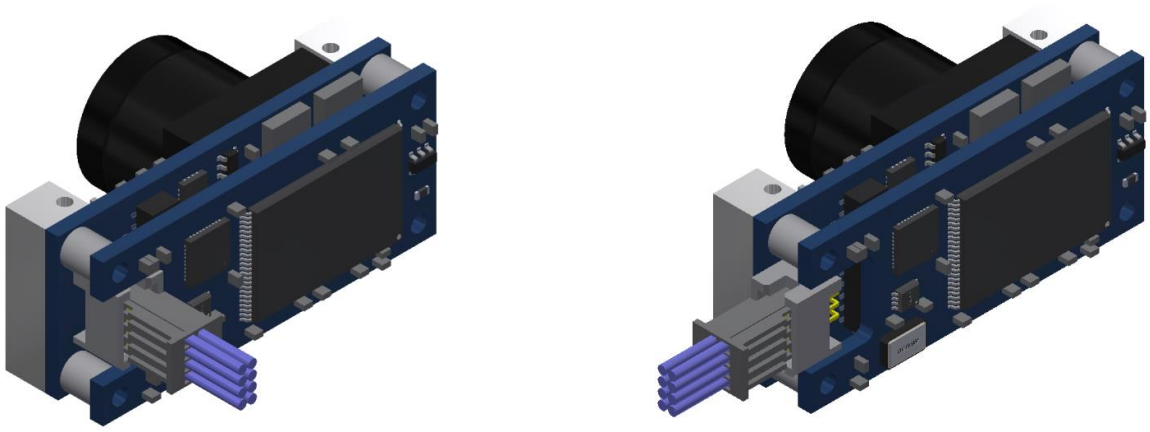

Figure 1: CubeSense connector orientation

Please make a selection by filling in Table 2.

Table 2: Connection Orientation Selection

Connection Orientation Option		
Description	**Straight**	**Right Angle**
Selection		

The CubeSense is provided with a Samtec SFSDT-04-28-G-XX.XX-S harness. Please select the length of harness required by filling in Table 3.

Table 3: CubeSense harness length selection

Harness Length Option		
Description	**Standard (150 mm)**	**Other (max 300 mm)**
Selection		

The mounting holes on the CubeSense can be connected to ground. Please indicate your choice in Table 4.

Table 4: Grounding of mounting holes

Grounding Option		
Description	**Mounting holes grounded**	**Mounting holes not grounded**
Selection		

The CubeSense I2C address needs to be hardcoded into the firmware. The standard address is 0x20 and any other address should be increments of 2 thereof. For instance: 0x22, 0x24, 0x26, etc. Please indicate the I2C address to be used in Table 5.

Table 5: I2C Address selection

I2C Address Option		
Description	**Custom address**	**Default address (0x20)**
Selection		

4. Notes

5. Declaration

I, _____, hereby declare that I am a legal representative of _____. I also declare that I have read, understand, and accept the Terms & Conditions.

Signature	Date