



**LabSat 4**



**LabSat 3 Wideband**



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<b>Constellations</b>	<p>GPS L1, L2, L5; Galileo E1, E5a/b, E6; GLONASS G1, G2, G3; BeiDou B1, B2a/b, B3; QZSS L1, L2, L5, L6; NavIC L1, L5, S-Band; SBAS L1, L5</p> <p>Further signals in the upper and lower L band as well as the S-Band can be configured with the web interface. Bespoke requirements like Iridium and Sirius XM radio frequencies are available on request.</p>	<p>GPS L1, L2, L5; Galileo E1, E5a/b, E6; GLONASS G1, G2, G3; BeiDou B1, B2a/b, B3; QZSS L1, L2, L5, L6; NavIC L1, L5, S-Band; SBAS L1, L5</p> <p>Further signals in the upper and lower L band as well as the S-Band can be configured with the web interface. Bespoke requirements like Iridium and Sirius XM radio frequencies are available on request.</p>	<p>GPS L1/Galileo E1/SBAS L1/QZSS L1, GLONASS G1, or BeiDou B1</p>
<b>RF Channels</b>	3	3	1, 2 or 3 (model dependant)
<b>RF Centre Frequency</b>	User Selectable	User Selectable	<p>1575.420 MHz (GPS L1, Galileo E1, SBAS and QZSS)</p> <p>1602.00 MHz (GLONASS L1)</p> <p>1561.098 MHz (BeiDou B1)</p>
<b>Bandwidth</b>	Variable 10 - 60 MHz per channel	10 MHz, 30 MHz, 56 MHz	9.66 MHz
<b>Quantisation</b>	1, 2, 4, 8, or 12 bits (I&Q)	1, 2, or 3 bit (I&Q)	1 or 2 bit (I&Q)
<b>Sample Frequency</b>	Automatically adjusted to suit bandwidth 10 – 61 MHz	10.23 MHz, 30.69 MHz, 58 MHz	16.368 MHz
<b>Output Signal Level</b>	<p>-73dBm/MHz @ 0dB</p> <p>Variable attenuator provides between +20 dB and -69 dB of adjustment during replay</p>	<p>-73dBm/MHz @ 0dB</p> <p>Variable attenuator provides between +20 dB and -69 dB of adjustment during replay</p>	Adjustable -73 dBm to -103 dBm
<b>Additional Signal Recording</b>	2x CAN, 4x Digital, 1x RS232, 1x CAN-FD	2x CAN, 4x Digital, 1x RS232	2x CAN, RS232 or Digital (1x CAN, RS232 or Digital for single constellation variant with upgrade)
<b>Media Storage</b>	7.68 TB SSD	1 TB SSD	1 TB USB HDD & 32 GB SD Card
<b>Removable Battery</b>	Yes	Yes	Yes (for 5 of 6 versions)
<b>Operating Voltage</b>	8 - 30 V DC	8 - 30 V DC	8 - 30 V DC
<b>Models/Variants</b>	<p>2</p> <p>Record &amp; Replay / Replay Only</p>	<p>2</p> <p>Record &amp; Replay / Replay Only</p>	<p>6</p> <p>Single, Dual &amp; Triple Constellation, each with Record &amp; Replay or Record only</p>
<b>Dimensions</b>	167 x 137 x 52 (mm)	167 x 128 x 46 (mm)	167 x 128 x 43 (mm)
<b>Weight</b>	1.45 kg with battery and SSD	1.2 kg	960 g with battery (910 g without)