



Christian Monstein  
 Radio Engineering  
 Wiesenstrasse 13  
 8807 Freienbach  
 Switzerland

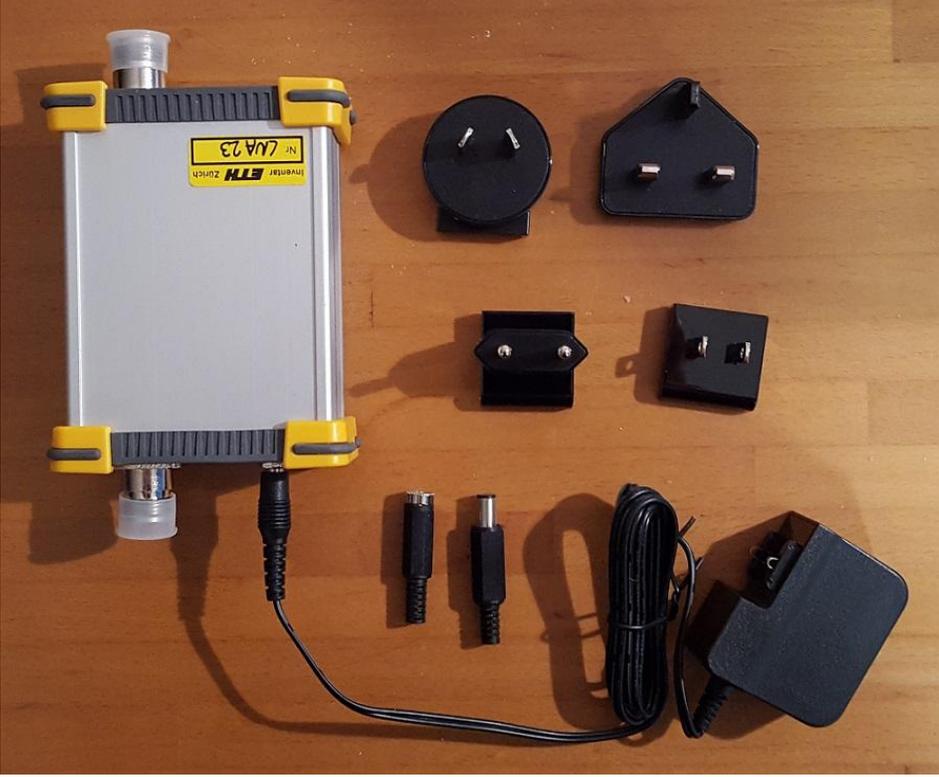
## Pricelist CALLISTO 2018

Frequency agile radio spectrometer based on Philips TV-tuner CD1316LS/IV  
 A project, initiated by United Nations and NASA (IHY2007 and ISWI)

Pos	Basic Articles	Prize US\$
1	 <p>One Callisto frequency agile radio spectrometer in aluminum enclosure, tested in the laboratory. Qualification data here:  <a href="http://www.e-callisto.org/Qualification/applidocs.htm">http://www.e-callisto.org/Qualification/applidocs.htm</a>                      Including RS-232 extension cable SUB-D9 1:1 ~1.5m                      Including RS-232/USB-adapter with CDR                      Including international power supply 12V with 4 mains-connectors                      Software and tools free of charge: <a href="http://www.e-callisto.org/Software/Callisto-Software.html">http://www.e-callisto.org/Software/Callisto-Software.html</a></p> <p>You may also ask for used, but refurbished and tested instruments</p>	<p><b>500.00</b></p> <p><b>250.00</b></p>

Pos	Basic Articles	Prize US\$
2	 <p data-bbox="324 1081 1266 1365">                     This frontend is designed for outdoor operation, close to the antenna                      Frontend contains a low noise amplifier <math>NF &lt; 1dB</math>, <math>\sim 20\text{ dB}</math> gain                      Including limiter at the antenna input for protection against static charges                      Including separate Bias-Tee to inject 12V dc                      Power supply via Bias-Tee and coax-cable, no extra dc-cable required                      Including international power supply 12V with 4 connectors                      Including N-adapter m/m and f/f to connect standard N-coax cables                      Size and connector of Bias-T may change, depending on manufacturer                 </p>	<p data-bbox="1339 1333 1437 1365"><b>440.00</b></p>

Pos	Basic Articles	Prize US\$
3	 <p data-bbox="305 1402 1292 1650">Interface to control up to two satellite-rotors based on DISEqC-control sequences. Interface connected via a USB-cable to a notebook or PC. Python scripts will be provided, one for azimuth/elevation and another one for parallactic mode in hour-angle/declination. Rotor is powered and controlled via the same 75 ohm TV-coax cable. Power supply 13V ... 18V can only provided with European connector. Other countries will need to add an adapter.</p>	<b>200.00</b>

Pos	Basic Articles	Prize US\$
4	 <p data-bbox="326 1339 1265 1591">Low cost frontend containing low noise amplifier <math>NF &lt; 1\text{ dB}&lt;/math&gt;, <math>\sim 20\text{ dB}</math> gain without limiter at the antenna input This frontend is an indoor version which requires extra protection from rain, snow etc. Aluminum enclosure may differ, depending on supplier Including 2 extra dc-connectors to extend power supply cable DC-cable is NOT part of delivery because its length is not known. Including international power supply 12V with 4 connectors</math></p>	<b>280.00</b>

Pos	Basic Articles	Prize US\$
5	 <p>Termination resistor 50 <math>\Omega</math>, N-connector for calibration, size and weight may change, depending on supplier.</p>	20.00

Pos	Basic Articles	Prize US\$
6a	Handling and shipping Swiss Post economy with tracking code Callisto	50.00
6b	Handling and shipping Swiss Post priority with tracking code Callisto	100.00
7a	Handling and shipping Swiss Post economy with tracking code LNA	50.00
7b	Handling and shipping Swiss Post priority with tracking code LNA	100.00
8a	Handling and shipping Swiss Post economy with tracking code DISEqC	50.00
8b	Handling and shipping Swiss Post priority with tracking code DISEqC	100.00

Options on request:

- Heterodyne up-converter or down-converter
- Calibration unit
- Support during installation and configuration
- Training data analysis in IDL or PYTHON

Delivery does include neither a PC, nor an antenna, nor mechanical mountings, nor a high frequency coaxial cable between frontend and Callisto nor a dc-cable in case of position 4. It is much cheaper to organize these parts locally.

Validity of quotation: 2 month due to currency fluctuations

Delivery time: according to mutual agreement, but usually 4 weeks after payment.

Guarantee: Three years after delivery for hardware and workmanship (except lightning strokes, water penetration and unprofessional handling)

Accepted payment methods:

1. Bank account (data will be supplied with invoice)
2. PayPal (name will be supplied with invoice)
3. Cash in any legal currency (but no virtual currency like Bitcoins)