

UltraCyber 1420 MHz

Hydrogen Line Radio Telescope

This "Computer Controlled", radio telescope is a high quality, low cost, research grade, radio telescope. The UltraCyber is a highly sensitive, stable rack/table mounted radio telescope, with many features. The Ultra Cyber has *"No Operator Adjustable Controls"*. Everything is done from your computer (486 and Pentiums). The operator may adjust Gain, Offset and Integration from the computer console and, turn On/Off a calibrated noise source (*noise source optional*). **NEW !**, Windows downloadable software (Developed by Dr. John Bernard), from a special website. Full instructions and warranty. Power and signal cables not included. For those interested in a **SETI CAPABLE** option, a **70 MHz external port, and internal circuitry**, can be fitted to the UltraCyber (for ICOM or similar narrow band receivers). Additional \$100.00 for this option.

PRICE \$ 1495.00

(Shipping US, \$65.00/Europe AIR, \$250.00/Pacific AIR, \$350.00)
(ALLOW 6 - 8 WEEKS DELIVERY FROM THE TIME WE RECEIVE YOUR ORDER)

[Specifications for Ultra Cyber Radio Telescope](#)

<i>Antenna Feed</i>	
Feedhorn	Cylindrical (Aluminum)
Tuning	Choke Available (additional cost)
Output	N Connector
<i>1.4 GHz Low Noise Amplifier (WD5AGO)</i>	
Bandwidth (BW 3DB)	1200 - 1500 MHz
Noise Figure (NF)	0.37 dB
Noise Temp	26 degrees Kelvin
Gain	28 dB
Input / Output (50 Ohm)	N Connectors
Power Requirements	+12 to +15 Vdc @ 100ma
<i>1.4 GHz Converter Module (Now enclosed in backend)</i>	
Center Frequency (CF)	1420.4057 MHz
Bandwidth	(3dB): 15 MHz
Noise Figure	1 dB (Approx.)
Gain	65 dB
Image Rejection	> 50 dB
Power Requirements	+15 Vdc @ 200 ma
<i>Receiver Backend (Rack Mounted / Table Top)</i>	
Setting and Control	Computer Controlled
Software	Basic and Windows
Interface	Serial RS 232
IF	70 MHz
Bandwidth	25 MHz
Max Gain (System)	100 dB
Digitalization	12 Bit A/D Converter
Input Connector	N
Power Requirement	110 VAC US or 240 VAC European