



**Low Cost
2-Channel
Video Uplink
Package!**

ALTAIR QUATRO

Ku-Band Uplink System

ATCi introduces the Altair Duo-Ku, a complete pre-tested system with exceptional characteristics for an efficient and economical video transmission.

Applications:

- All-inclusive system
- Supports 2 video channels in MCPC format
- Ku-band
- In-stock or relatively short delivery time
- Low cost
- Universal. PAL/NTSC. 90-260 VAC
- Short installation time. 3 - 4 days
- Spectrum analyzer included

Everything included in this stand alone Ku-Band video uplink for 2 Channels!

Just plug in your source!

Altair Ku-Band System is an efficient, reliable using all field-proven components uplink system. The package includes the antenna and all the related indoor and outdoor electronics that will handle encoding, modulation, transmission as well as monitoring of your satellite signal. We've done all the pre-testing and evaluation so that you can be assured of round-the-clock quality of this low cost system.

Specifications: ALTAIR Quatro-Ku System

1.	2.4M Ku-Band Antenna, Tx/Rx		5.	L Band DVB-S Modulator	
1.1	Operation Freq:	13.75 - 14.5 Ghz	5.1	Operation	
1.2	MidBand Gain:	Tx/Rx: 49.2/47.6dBm	5.1	Frequency:	950 - 1750Mhz
1.3	Polarization:	Linear or Circular	5.2	Date Rate:	1.4 - 13.8Mbps
1.4	Feed Type:	Tx/Rx Crosspol	5.3	Symbol Rate:	10.000 Msps
1.5	VSWR:	1:3:1 Max.	5.4	Modulation:	QPSK
1.6	Base Type:	Penetrating or Non-Penetrating mount	5.5	FEC:	1/2, 2/3, 3/4, 5/6, 7/8
2.	ATZKu-0080 Solid State Power Amplifier (SSPA)		5.6	Interface Type:	ASI per DVB
2.1	Output Power@ P1dB:	80 Watts	5.7	Power:	-5 to -25 dBm
2.2	Gain dB min:	80 dB	6.	ATCi FL10	
2.3	Freq. Range:	14.0 - 14.5 Ghz	5.1	Waveforms:	Sine
2.4	Input Freq. Range:	950 - 1525 Mhz	6.2	Input:	950 - 2150 Mhz
2.5	IF input Interface:	N Connector	6.3	Accuracy:	0.02%
2.6	RF Output Interface:	WR75	6.4	Sine Wave Output:	0 - 4.5 Vpp
2.7	Type:	Outdoor	6.5	Output Imp:	75 Ohms
3.	MPEG2 Video Encoder (2)		6.6	Level:	0 dBm
3.1	Type:	Rack Mount	7.	Digital Receiver	
3.2	Standard:	NTSC/PAL	7.1	Input Frequency:	950 - 2150Mhz
3.3	Output Rate:	Up to 50 Mbps	7.2	Composite	
3.4	Video Rate:	8 Mbps	7.2	Video Out:	BNC connect
3.5	Audio Ch:	2 Stereo or 4 Mono Ch.	7.3	ASI Out:	BNC188/204
3.6	Video Ch:	1 Video Ch.	7.4	Demodulation:	QPSK
3.7	Video Input	SDI/Composite	7.5	Input Level	-65 / -25dBm
4.	Multiplexer		7.6	LNB Power:	13/18V
4.1	Type:	Rack Mount	7.7	Symbol Rate:	2.0/45 Msps
4.2	Standard:	NTSC/PAL	8.	Digital and Analog ATCi Spectrum Analyzer	
4.3	ASI Outputs:	54 Mbps	8.1	Tuning:	from 5-862Mhz/ 900-2150Mhz
4.4	ASI Inputs:	BNC	8.2	Digital	
4.5	Byte Mode:	188/204	8.2	Measurements:	BER, MER, NM, C/N
			8.3	Carriers:	QPSK, DVBS, DVBS2
			8.6	Symbol Rate:	2 - 45 Msps
			8.7	Decoder:	DV, QPSK, 8PSK
			9.	Integration	
			10.	Installation	