



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

ALTAIR TRIO *Ku-Band Uplink System*

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

Applications:

- All-inclusive system
- Supports 3 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 3 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 Trio-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
			5.6	Interface Type:	ASI per DVB
			5.7	Power:	-5 to -25 dBm
2.	ATZKu-0080 Solid State Power Amplifier (SSPA)		6.	ATCi FL10	
2.1	Output Power@ P1dB:	80 Watts	5.1	Waveforms:	Sine
2.2	Gain dB min:	80 dB	6.2	Input:	950 - 2150 Mhz
2.3	Freq. Range:	14.0 - 14.5 Ghz	6.3	Accuracy:	0.02%
2.4	Input Freq. Range:	950 - 1525 Mhz	6.4	Sine Wave Output:	0 - 4.5 Vpp
2.5	IF input Interface:	N Connector	6.5	Output Imp:	75 Ohms
2.6	RF Output Interface:	WR75	6.6	Level:	0 dBm
2.7	Type:	Outdoor			
3.	MPEG2 Video Encoder (3)		7.	Digital Receiver	
3.1	Type:	Rack Mount	7.1	Input Frequency:	950 - 2150Mhz
3.2	Standard:	NTSC/PAL	7.2	Composite	
3.3	Output Rate:	Up to 50 Mbps	7.2	Video Out:	BNC connect
3.4	Video Rate:	8 Mbps	7.3	ASI Out:	BNC188/204
3.5	Audio Ch:	2 Stereo or 4 Mono Ch.	7.4	Demodulation:	QPSK
3.6	Video Ch:	1 Video Ch.	7.5	Input Level	-65 / -25dBm
3.7	Video Input	SDI/Composite	7.6	LNB Power:	13/18V
			7.7	Symbol Rate:	2.0/45 Msps
4.	Multiplexer		8.	Digital and Analog ATCi Spectrum Analyzer	
4.1	Type:	Rack Mount	8.1	Tuning:	from 5-862Mhz/ 900-2150Mhz
4.2	Standard:	NTSC/PAL	8.2	Digital	
4.3	ASI Outputs:	54 Mbps	8.2	Measurements:	BER, MER, NM, C/N
4.4	ASI Inputs:	BNC	8.3	Carriers:	QPSK, DVBS, DVBS2
4.5	Byte Mode:	188/204	8.6	Symbol Rate:	2 - 45 Msps
			8.7	Decoder:	DV, QPSK, 8PSK
			9.	Integration	
			10.	Installation	