



ALTAIR UNO

Ku-Band Uplink System

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

Applications:

- All-inclusive system
- Supports 1 video channel in SCPC 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 1 Channel!

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 Uno-Ku System

1.	2.4M Ku-Band Antenna, Tx/Rx		5.	ATCi FL10	
1.1	Operation Freq:	13.75 - 14.5 Ghz	5.1	Waveforms:	Sine
1.2	MidBand Gain:	Tx/Rx: 49.2/47.6dBm	5.2	Input:	950 - 2150 Mhz
1.3	Polarization:	Linear or Circular	5.3	Accuracy:	0.02%
1.4	Feed Type:	Tx/Rx Crosspol	5.4	Sine Wave Output:	0 - 4.5 Vpp
1.5	VSWR:	1:3:1 Max.	5.5	Output Imp:	75 Ohms
1.6	Base Type:	Penetrating or Non-Penetrating mount	5.6	Level:	0 dBm
2.	ATZKu-0050 Solid State Power Amplifier (SSPA)		6.	Digital Receiver	
2.1	Output Power@ P1dB:	40 Watts	6.1	Input Frequency:	950 - 2150Mhz
2.2	Gain dB min:	80 dB	6.2	Composite	
2.3	Freq. Range:	14.0 - 14.5 Ghz		Video Out:	BNC connect
2.4	Input Freq. Range:	950 - 1525 Mhz	6.3	ASI Out:	BNC188/204
2.5	IF input Interface:	N Connector	6.4	Demodulation:	QPSK
2.6	RF Output Interface:	WR75	6.5	Input Level	-65 / -25dBm
2.7	Type:	Outdoor	6.6	LNB Power:	13/18V
3.	MPEG2 Video Encoder (1)		6.7	Symbol Rate:	2.0/45 Msps
3.1	Type:	Rack Mount	7.	Digital and Analog ATCi Spectrum Analyzer	
3.2	Standard:	NTSC/PAL	7.1	Tuning:	from 5-862Mhz/ 900-2150Mhz
3.3	Output Rate:	Up to 50 Mbps	7.2	Digital	
3.4	Video Rate:	8 Mbps		Measurements:	BER, MER, NM, C/N
3.5	Audio Ch:	2 Stereo or 4 Mono Ch.	7.3	Carriers:	QPSK, DVBS, DVBS2
3.6	Video Ch:	1 Video Ch.	7.6	Symbol Rate:	2 - 45 Msps
3.7	Video Input	SDI/Composite	7.7	Decoder:	DV, QPSK, 8PSK
4.	L Band DVB-S Modulator		8.	Integration	
4.1	Operation		9.	Installation	
	Frequency:	950 - 1750Mhz			
4.2	Date Rate:	1.4 - 13.8Mbps			
4.3	Symbol Rate:	10.000 Msps			
4.4	Modulation:	QPSK			
4.5	FEC:	1/2, 2/3, 3/4, 5/6, 7/8			
4.6	Interface Type:	ASI per DVB			
4.7	Power:	-5 to -25 dBm			