



# TRIAX

## Product info

### Triax SAT>IP LNB unit

| leading global innovative and high-tech solution

The Triax SAT>IP LNB unit provides an excellent outdoor unit solution for satellite reception equipment.

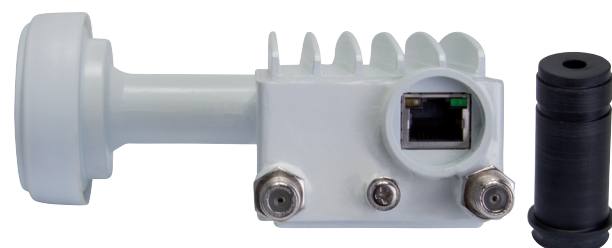
Based on cutting edge digital Full Band capture tuner technology the SAT>IP LNB adds 8 tuners/demodulators, delivering MPEG transport streams over IP. Additionally H/V full band SAT-IF outputs are available.

It provides a 100% utilization of satellite tuners and chip-sets that can handle a full 2050MHz IF bandwidth. This is equivalent to receiving the full satellite bandwidth 10.7-12.75 GHz providing all polarities on only one RJ45 connector and/or only two separate F-connector outputs with no need for switching using FSK, 22kHz or DiSEqC.

The SAT>IP LNB fits any offset satellite dish with an F/D of 0.6 and has a 23 mm neck. It can be installed and adjusted just as easy as any other standard Single LNB unit, and can be easily mounted in place of a standard Single LNB when upgrading to new technology reception equipment.

Common features:

- 8 x Full Band H/V DVB-S/S2 tuners
- Unlimited number of transponders from position
- Supports 8 x SAT>IP clients (one each tuner)
- SAT>IP via Gigabit Ethernet RJ45 connector output
- Up to 900 Mbps transport stream bandwidth
- Separate H and V Full Band SAT-IF outputs
- Powered via 802.3@rev 2012 PoE type 1, class 2
- No DiSEqC, 22kHz or FSK required or supported
- Transparently supports FTA as well as CAS services
- Die-cast housing
- Power consumption <7.5W



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## Technical Specifications:

Type	TIL 001 SAT>IP LNB			
Art. No.	310120			
Specification	Min.	Typ.	Max.	Unit
Input component				Feed-Horn F/D=0,6@11.7GHz offset reflector
<b>Operating Frequency Band</b>				
Input frequency	10.7		12.75	GHz H and V polarities
Output Frequency	290		2340	MHz H and V polarities as full band
<b>L.O. Frequency and Drift</b>				
L.O. Frequency		10.41		GHz
L.O. Temperature Drift		± 1		MHz @+25°C
			± 2.8	MHz @-40...+60°C
L.O. Spurious			-30	dBm
L.O. Phase Noise			-60	dBc/Hz @ 1kHz offset
			-75	dBc/Hz @ 10kHz offset
			-95	dBc/Hz @100kHz offset
Noise Figure		0.8	1	dB
Conversion Gain		57		dB @Center Frequency
Gain Flatness Characteristics		5.0		dBpp Over Operating Band
		1.5		dBpp Within any 27MHz segment
Image Rejection	35	40		dB
Output VSWR		2 :1		
Cross Pole Isolation	22			dB
1 dB Compression Point		4.0		dBm
3 <sup>rd</sup> Order Intercept Point (2 tone)		13		dBm
2 <sup>nd</sup> Order Intercept Point (2 tone)		30		dBm
Return Loss at Output		10		dB
Impedance		75		Ohm
Output Port 1		F-connector (female)		Full Band Horizontal
Output Port 2		F-connector (female)		Full Band Vertical
Output Connectors F-type		IEC 60169-24		
RJ45 Output port	RJ45 w/802.3@rev 2012 PoE type 1, class 2			Gigabit IP (up to 900 Mbps)
Power Supply System	10.5		21	VDC
DC Supply Power			7.5	W
Operating Temperature Range	-40		60	°C
Temperature, Storage	-40		60	°C
Humidity	5		95	%RH
Ambient Pressure	860	1010	1160	hPa
Weight			440	g
Neck diameter for LNB holder			23	mm
<b>Compliance Standards</b>				
EMC	DS/EN 50083-2/IEC 60728-2			
Safety	IEC 60728-11			
WEEE	EN50419			
SES Conformity Compliance	Yes: SAT>IP Protocol specification v1.2			