


Modelo: WT3303	ESPECIFICACIONES TECNICAS	
Fecha: 2013		
Hojas 1 de 2		
Asunto	MODULADOR QAM Anexo A / B	

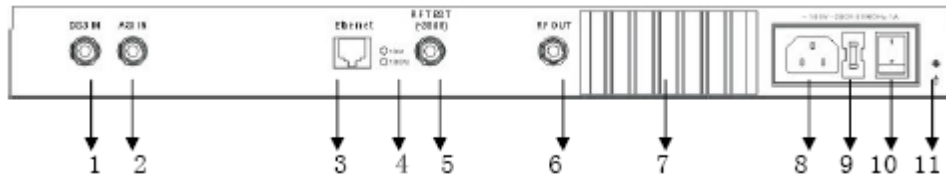


El modulador QAM Wire Tech, es de simple instalación en un cabezal de Televisión digital. Recibiendo el transporte Streams de señales DVB proveniente de las salidas del Multiplexor, Encoder o Scrambler, confiere a la señal de datos un inmejorable tratamiento dentro del cabezal.

Su salida de RF Ágil o Ajustable a la frecuencia de canalización, puede ser seleccionada desde el panel frontal o mediante una simple conexión de red que permite realizar el control del mismo mediante una simple computadora. Sus principales características son:

#### Funciones

- DVB/MPEG-2 code stream, after QAM modulator and uplink frequency converter processing, changes to required standard channel or addition channel.
- Work in with Neo Digi's other digital TV products providing total solution of digital TV transmission system.
- QAM modulator's input code stream can be ASI input, SPI, or DS3 (optional) format.
- RF output can be any frequency between 49Mhz and 860Mhz
- RS-232/RS485 serial port.
- Support central net-administration, having remote net-administration proxy function.



1	DS3 input port
2	ASI input port
3	Ethernet port
4	Network indicator
5	RF test port
6	RF output port
7	Device heat-sink
8	Power socket
9	Fuse
10	Power switch
11	Grounding

- Complying DVB standard signal channel code
- DVB-C QAM digital TV modulator
- MPEG-2 ASI, SPI code stream input port
- Filtering self-defining PID value of DVB/MPEG-2 TS code stream pack, unnecessary to recalculate PSI list
- Possible to insert user-defining SI information, such as NIT CAT SDT, BAT etc.
- Output symbol rate variable
- QAM customizing setting optional
- IF output frequency variable as user request
- Adopting adjacent frequency channel design, complying adjacent frequency channel transmission request, performance index superior to national standard
- Intermediate frequency processing, surface wave filtering, low interference, short delay
- Unique Phase-Locked Loop technology, low carrier phase jitter, low phase noise
- Frequency convert adopting excellent loop combiner, good linearity, low distortion, low interference
- Output amplifier adopting international brand amplifying module, achieving high output level
- All stage signals adopt high level processing mode, ensuring high C/N, especially suit for large or middle scale system's establishment and modification
- RF output frequency can be customized as user request, or choose fixed channel output

QAM modulating mode:	16、32、64、128、256 QAM(as user needed);
Symbol rate	2~7Mbaud/s;
Correction code RS code	204
Input data rate	1.5~51Mbps
Passage data rate	20~56Mbps
IF	$\geq 80\text{dB}\mu\text{V}$
Frequency	35.25/36.15/36.65/44/70MHz option
IF output impedance	75 $\Omega$
Output level	$\geq 80\text{dbuV}$ , variable
Output return loss	$\geq 12\text{ dB}$
RF	$\geq 110\text{ dB}\mu\text{V}$
Frequency	Range 45~870MHz fixed output or adjacent output
RF maximum output level	$\geq 110\text{ dB(V)}$
RF output monitoring	-30dBc ;
RF output level variable range	0~16 dB
Output return loss	(12 dB
Frequency conversion precision	(5 kHz
Spurious output suppression	(60 dB