

Ref. 30000

## FM TRANSMITTER COMPACT TSC 12000W

find this product on [www.bbeam.com](http://www.bbeam.com)



### MAIN FEATURES

- ▶ Highest efficiency
- ▶ Nominal rf power 11500W
- ▶ Very low signal noise typ. -80 dB
- ▶ High stereo performance typ. 60 dB
- ▶ Extremely low distortion 0,1%
- ▶ Completely broadband
- ▶ 6th Id-mos generation vswr 65:1
- ▶ Large LCD color display with touch panel
- ▶ Ac mains 90-260 vac extend range with pfc
- ▶ Ccir & fcc compliant
- ▶ Remote Control through mobile APP
- ▶ Web server



Écran tactile



Logiciel  
ENERGY SAVING



Interface audio  
complète



Contrôle à  
distance

### OPTIONS

- ▶ AES/EBU
- ▶ RDS /RBDS coder
- ▶ snmp V2-V3 remote control
- ▶ Audio IP



## GENERAL

Power Output	10000W (typ.11500w) adjustable from front panel
RF Output Impedance	50 ohm
RF Output Connector	1+5/8" type
Monitor RF	BNC connector
VSWR	1,5:1 WITH AUTOMATIC FOLDBACK
Frequency Range	87.5 ÷ 108.00 MHz
Frequency Stability	±1 ppm from -5 to 45°C
External Reference	10 MHz BNC connector back panel
Type of Modulation	Analogor
Off Lock Attenuation	≥ -80 dBc
Modulation Capability	±150 KHz
Limiter built in	Yes
Power Good Detector	adjustable from 20÷90% of the power
Audio Presence Detector	adjustable time from front panel
External AGC	Automatic, with fine ADJ back panel
Modulation Mode	Mono, Stereo, Multiplex, SCA, RDS, Aux
Preemphasis	Flat/50/75µs selectable from front panel
Asynchronous AM S/N Ratio	-70 dB
Synchronous AM S/N Ratio	-65 dB
RF Harmonics	Exceeds EBU/CCIR/FCC requirements
RF Spurious	Exceeds EBU/CCIR/FCC requirements

## MONO OPERATION

Audio Input Impedance	600 ohm - 10 Kohm balanced
Audio Input Level	-6 to +12 dBm
Input Connector	XLR female
Audio Frequency Response	±0.1 dB, 20 Hz to 15 KHz
Total Harmonic Distortion + Noise	0.1% @ 400 Hz
Intermodulation Distortion	0.1%, 1 KHz/1.3 KHz, 1:1 ratio
Transient Intermodulation Distortion	0.1% 2.96KHz square wave and 14 KHz sine wave
Distortion	0.1% 2.96KHz square wave and 14 KHz sine wave
FM S/N Ratio	-80 dB below ±75 KHz dev.

## STEREO OPERATION

Audio Input Impedance	600 ohm - 10 Kohm balanced
Audio Input Level	-6 to +12 dBm
Input Connector	XLR female
Audio Frequency Response	±0.1 dB, 20 Hz to 15 KHz
Total Harmonic Distortion + Noise	0.1% @ 400 Hz
Intermodulation Distortion	0.1%, 1 KHz/1.3 KHz, 1:1 ratio
Transient Intermodulation Distortion	0.1% 2.96KHz square wave and 14 KHz sine wave
FM S/N Ratio	-80 dB below ±75 KHz dev.
Stereo Separation	@ 1kHz ≥ -60dB
Crosstalk attenuation	Main to Sub -70 dB 30 Hz to 15 KHz
38 KHz Suppression	≥ -85 dB
Pilot Frequency	19 KHz ± 1 Hz
Output Pilot	1 Vpp., BNC female

## MULTIPLEX OPERATION

Composite Input Impedance	2 Kohm unbalanced
Composite Input Level	-6 to +12 dBm
Input Connector	BNC female
Composite Amplitude Response	±0.1 dB, 30 Hz to 100 KHz
Total Harmonic Distortion + Noise	0.1% @ 400 Hz
Intermodulation Distortion	0.1%, 1 KHz/1.3 KHz, 1:1 ratio
Transient Intermodulation Distortion	0.1% 2.96KHz square wave and 14 KHz sine wave
FM S/N Ratio	-80 dB below ±75 KHz dev

## AES/EBU OPERATION

Input Connector	XLR female, optical TOS-LINK
Data Format	S/PDF,AES/EBU,IEC958,EIAJCP340/1201
D/A Converter	24 bit
Data Format	S/PDF, AES/EBU, IEC958, EIAJCP340/1201
Sampling Frequency	from 32 to 96 KHz

## SCA, RDS, AUX OPERATION

Input Impedance	≥ 2 Kohm
Input Level	-6 to +12 dBm
Frequency Response	±0.1 dB, 50 KHz to 100 KHz
Input Connector	BNC female

## AUXILIARY CONNECTIONS

RS485	DB9 connector back panel
Telemetry Interface	connector DB25 back panel
LAN	RJ45 connector back panel
MPX OUT	connector BNC back panel

## OPTIONS

AES/EBU -SPDIF

RDS/RBDS Programmable Coder via PC

SNMP

Audio IP

## ELECTRICAL

AC Input Power 200-400VAC 50/60 HZ 3 phases + N

AC Apparent Power Consumption 13500VA @ 10000W

Cos Ø > 0.98

Cooling Forced air

Acousting noise < -56 dBa @ 1 meter

## ENVIRONMENTAL

Operating temperature -5°C to +50°C

Max Operating Altitude 4000 mt

Relative Humidity Range 0 to 90%

## PHYSICAL DIMENSION

Mounting Standard 19" chassis 24 U rack

Size W x 580 mm. D x 1050 mm. H x 1513 mm

Weight ~ 250 Kg