

# S7335

200W TV Transmitter

EDDYSTONE  
BROADCAST

## Special Features

- High quality, compact design
- Easy upgrade path to digital operation, TV Modulator is a separate unit
- Broadband plug in modules
- Self contained air-cooling system
- Options available to operate in all bands and several TV standards
- Integral remote control/ monitoring including web browser
- LCD displays provided for local monitoring and control



## Introduction

The S7335 is a high quality TV transmitter consisting of a separate IF Modulator feeding a self contained upconverter/ amplifier system. This range provides a simple upgrade path to digital broadcasting with the addition of a DVB-T modulator. A wide range of output filters and combiners are available to meet all transmission requirements. Many of the modules are common to the remodulation/ transposer derivatives reducing spares holding in a network operation.

## System Overview

The self contained high performance modulator provides a standard IF signal to feed the upconverter system mounted below. The upconverter chassis is a series of broadband plug in modules. The synthesiser can be externally locked making the systems ideal for precision locked broadcast operation. Precorrection for the highly efficient class AB FET amplifier is provided at IF. The analogue output filter if required is housed underneath the chassis.

A choice of output filters are available to meet specific transmission requirements.

## Specifications

<b>Power Output</b>	Analogue: 200W p.s.
<b>Output Frequencies</b>	Option -01, VHF Band I: 45-90MHz; Option -03, VHF Band III: 174-230MHz Option -04, UHF Bands IV & V: 470-860MHz
<b>RF Output Connector/Impedance</b>	7/16 DIN/ 50 ohm unbalanced
<b>Intermodulation distortion, Spurious emission</b>	<-60dB at rated output power
<b>Protections</b>	Overdrive, VSWR, Overpower, Overvoltage, Over current, Over temperature
<b>Power Requirements</b>	Single phase 230VAC $\pm$ 20% - 850VA
<b>Ambient Temperature Range</b>	-10°C to +45°C up to an altitude of 2500M
<b>Remote Control</b>	Aux port 25w; RS232, RS485, RJ45 Ethernet
<b>Dimensions</b>	482mm (W) x 450mm (D) x 220mm (H)
<b>Packed dimensions</b>	Case: 570 mm (W) x 670mm (D) x 290mm (H)
<b>Total gross weight</b>	22kg