



SOLBTX – Broadcast Transmitter

The domo SOLO Broadcast Transmitter is a rugged digital video transmitter, ideal for sports and news links applications. The SOLO broadcast transmitter is small and low powered enough to facilitate easy connection in any broadcast application

The SOLO Broadcast Transmitter incorporates a high quality MPEG encoder, with a compliant DVB-T modulator and 100mW RF up-converter into a single low power consumption package. The unit is equipped with SDI (optional) and composite video interfaces, as well as ASI interfaces for easy connectivity to third party equipment.

The SOLO Broadcast Transmitter is ideal for use in locations such as stadiums, and studios, or mounted in vehicles at sports events.

Security of the transmission can be ensured using the optional embedded AES128/256 encryption.

Features

- Fully featured 8/7/6MHz modulation.
- SDI video input (optional)
- High quality video encoder.
- Low delay.
- ASI Input and Output.
- 100mW output power.



Specification:

Output

RF	SMA
ASI Out	SMB

Input

Video	BNC
Stereo Balanced Audio	5 way OB Lemo
RS232 Control	3 way OB Lemo
Power	4 way OB Lemo
ASI In	SMB

RF

Frequency Bands	2.20 to 2.40GHz,
Tuning Steps	1MHz (targeting 250kHz)
Power	100mW

Modulation

DVB-T Bandwidth	8/7/6MHz
DVB-T Guard	1/32, 1/16, 1/8, 1/4
DVB-T FEC	1/2, 2/3, 3/4, 5/6, 7/8
DVB-T Modulation	QPSK, 16QAM, 64QAM
Sensitivity	-95dB plus

Video

Line Standard	PAL/NTSC
Video Input Format	SDI (optional) or Composite
Resolution	720 (others selectable)
Coding Mode	MPEG
Delay	80ms

ASI

Mode	Byte mode
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Audio

Input	Balanced Audio (12dB clip) or MIC Level,
Sample Rate	48KHz
Format	MPEG Audio 384Kb/s to 64Kb/s mono or stereo

Control

Remote Control	RS232 Control from PC GUI Application
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Physical

Dimensions	L 102mm, W 71mm, H 30mm
Weight Base Unit	350g (target)

Power

DC Input	9 to 15V Reverse Polarity Protected
Power Consumption	5 to 6W depending on mode

Environment

Temperature Range	-10 to +50 deg C
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Product Code: SOLBTX-220240 optional TX-SDI

FOR FURTHER INFORMATION, CALL DOMO ON +44 (0)1489 566 750