

SOLBTX - Broadcast Transmitter

COFDM - Video, Audio Telemetry and IP Products

COBHAM

April 2009 Data Sheet

The most important thing we build is trust



The SOLO Broadcast Transmitter is a rugged digital video transmitter, ideal for sports and news link applications. A Cobham Surveillance product with domo technology at its core, it 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 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 demodulation
- SDI video input (optional)
- High quality video encoder
- Low delay
- ASI input and output
- 100mW output power.

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Specification:

Input

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

Output

RF Output	SMA
ASI Out	SMB

RF

Frequency Bands	2.0 to 2.50GHz
Power	100mW
Tuning Steps	250KHz

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

Dimension	L 102mm, W 71mm, H 30mm
Weight Base Unit	350g

Power

DC Input	6 to 16V Reverse Polarity Protected
Power Consumption	4 to 5W depending on mode

Environment

Temperature Range	-10 to +50 deg C
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Product Code:

SOLBTX-200250 optional TX-SDI

Products are available to security users only, in licensed frequency bands. These products are not approved for use by unlicensed users.

Commercial products are available to unlicensed users - contact Cobham Surveillance direct for details.

All product specifications are subject to change without notice. Cobham Surveillance will not be liable for technical or editorial errors or omissions.

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