

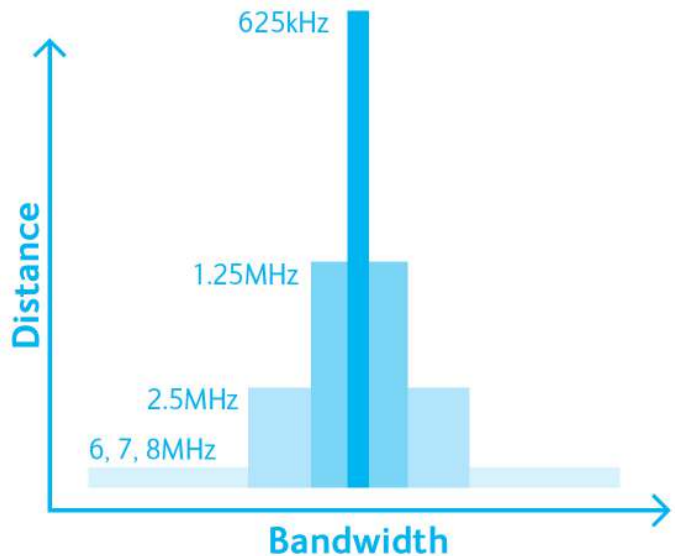
SDRAPP-TX

SDR Application COFDM Transmitter

Overview:

SDR applications can be used in combination with SOL8SDR products to add functionality.

SOLO transmitters can operate in a variety of transmission bandwidths allowing the user to trade off image quality against range to suite all types of missions. Excellent range, performance and spectral efficiency are offered when operating in the 2.5MHz/1.25MHz/625kHz narrow bandwidth modes. For excellent image quality at shorter ranges the 8MHz DVB-T modulation can be employed. Telemetry control allows for ultra low power standby on long term battery deployments, as well as remote configuration in the field.



Features and Benefits:

Industry standard DVB-T modulation for interoperability with existing systems

Domo Narrowband modulation for extended range, robustness and reduced channel requirements

Domo Broadcast UMLV modulation for enhanced high frequency / high speed performance

Software configurable RF bandwidth between 625kHz and 8MHz

Ideal for establishing rugged wireless video links in all environments including mobile and urban non-line-of-sight

Telemetry control of configuration, PTZ output or low power sleep mode

Product information:

Product Includes:

SDRAPP-TX	Software license only
-----------	-----------------------

Accessory Options (sold separately):

MISCDRTAC-B	Mission Commander Tactical Bronze Level - USB Stick
MISCDRTAC-S	Mission Commander Tactical Silver Level - USB Stick
MISCDRTAC-G	Mission Commander Tactical Gold Level - USB Stick
SDRAPP-ENC	SDR encoder application
SOL8KF-043	Three Button Key Fob (433.05-434.79MHz)
SOL8KF-091	Three Button Key Fob (902-928MHz)
SOL8TELTRX-433	Telemetry Transmitter/Receiver (433.05-434.79MHz)
SOL8TELTRX-915	Telemetry Transmitter/Receiver (902-928MHz)

Related Documents:

100218	SOL8SDR Transmitter and Encoder Software User Guide
--------	---

SDRAPP-TX

SDR Application COFDM Transmitter

Technical specification:

DVB-T Modulation

DVB-T Bandwidth	8MHz, 7MHz and 6MHz modes
DVB-T FEC	1/2, 2/3, 3/4, 5/6, 7/8
DVB-T Constellation	QPSK, 16QAM, 64QAM
DVB-T Guard Interval	1/4, 1/8, 1/16, 1/32
DVB-T Bitrates	3.732Mbps to 31.668Mbps

Narrowband/UMVL Modulation

NB Bandwidth	2.5MHz, 1.25MHz and 625kHz modes
UMVL Bandwidth	8MHz, 7MHz and 6MHz modes
NB/UMVL FEC	1/3, 2/3
NB/UMVL Constellation	QPSK, 16QAM, BPSK, 8PSK
NB/UMVL Guard Interval	1/8, 1/16
NB Bitrates	144kbps to 4.879Mbps
UMVL Bitrates	1.317kbps to 14.869Mbps

Telemetry Modulation

Telemetry Rate	4800 baud
----------------	-----------

Data Interface

PTZ Control	Protocols including VISCA and PELCO-D over Telemetry or Ethernet
-------------	--

Software License Code Includes

Silver (included)	DVB-T, Ultra Mobile Video Link (UMVL), Telemetry
Gold	Silver plus Narrowbands 1.25MHz & 2.5MHz
Platinum	Gold plus Ultra Extreme Narrowband 625kHz

Export of encrypted products is subject to United Kingdom regulatory export controls.

For further information contact your Sales Account Manager, one of our Regional Sales Offices, or email solent.enquiries@domotactical.com

DTC – Solent
Fusion 2, 1100 Parkway
Solent Business Park
Whiteley, Hampshire
PO15 7AB, UK

T: +44 (0) 1489 566 750

DTC – Tampa (Head Office)
3845 Gateway Centre Boulevard
Suite 360
Pinellas Park, FL
33782, USA

T: +1 727 471 6900

DTC – Randers
Haraldsvej 64B
DK-8960
Randers SØ
Denmark

T: +45 8791 8100

DTC – Singapore
21 Media Circle
Infinite Studios #06-04
Singapore
138562

T: +65 6643 4700

DTC – Brazil
Alameda Araguaia 2
190 – Ed. CEA II – suite 1109
Alphaville - Barueri
São Paulo, Brazil
06455-000

T: +55 11 2321 5055