

SOL7CRX-440-ASU

SOL07 Central Receiver with ASU

Overview:

The Domo Tactical Communications (DTC) SOL07 Central Receiver with ASU is a highly flexible solution with DTC technology at its core, for use in permanent or temporary installed central receive applications. The SOL7CRX is specifically designed for the development of urban infrastructures with 24x7 unattended operation.

The integration of the Antenna Switch Unit allows the flexibility to connect up to four antenna arrays to the CRX and selectively route to each of the four receivers. This allows use with multiple frequency bands or antenna arrays with different beam shapes to aid the reception of weak signals.

Control and monitoring is via DTC Mission Commander and all video is streamed over IP for remote viewing or connection to a Video Management System.



Features and Benefits:

DVB-T demodulation 8MHz, 7MHz, 6MHz

Narrowband demodulation 2.5MHz, 1.25MHz, 625kHz (optional)

Simultaneous reception of DVBT and Narrowband

4-way maximum ratio combining antenna diversity

4-way antenna switch

Single Ethernet control

Fan cooled 2U rack mount enclosure

Status LEDs for receivers and fans

Product Information:

Product Includes

AP009903	15V 220W Desktop PSU with 4-pin mini DIN
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Accessory Options (sold separately)

CA0067	Audio out cable, Lemo to RCA (requires 4)
AP000481	UK power lead for AP009903
AP001483	US power lead for AP009903
AP004634	EU power lead for AP009903
AP007192	AU power lead for AP009903
**DCBGS	Downconverter barrel, gain selectable (various frequencies)
**MISCDRTAC	Mission Commander Tactical network management software for desktop or tablet
**MSC	Mission Commander Strategic advanced management client/server software

**See separate datasheets

Related Documents

100287	SOL07 Central Receiver User Guide
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Technical Specification:

Inputs

External IF inputs	TNC x 16 (4 groups of 4)
Ethernet	RJ45
DC supply	4-pin mini DIN M4 screw terminals

RF and Modulation

IF input	50-850MHz
DVB-T bandwidth	8MHz, 7MHz, 6MHz
DVB-T guard	1/32, 1/16, 1/8
DVB-T FEC	2/3, 5/6
DVB-T modulation	QPSK, 16QAM, 64QAM
DVB-T sensitivity	-95dB plus
*SOLO bandwidth	2.5MHz, 1.25MHz, 625kHz
SOLO guard	1/16, 1/8
SOLO FEC	1/3, 2/3
SOLO modulation	QPSK, 16QAM
SOLO sensitivity	-95dB to -104dB

Encryption

Standard	ABS
Licensed (subject to export control)	AES128/AES256

Control

Remote control	Ethernet
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Physical

Dimension	359mm x 445mm x 85mm
Weight	5.3kg

Power

DC input	15V \pm 5%
Power consumption	200W approx.

Environment

Temperature range	-10°C to +50°C
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Software License Code

Silver (included)	DVB-T, IP Streaming
Gold	Silver plus Narrowband 2.5MHz and 1.25MHz
Platinum	Gold plus Ultra Extreme Narrowband 625kHz
AES128RX	AES Receiver 128 Bit Decryption
AES256RX	AES Receiver 256 Bit Decryption

* Licensed feature

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

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