LAW ENFORCEMENT SOLUTIONS

		Product description	Size
Receivers		**SOL7 RX** The durable and compact digital diversity receiver has a lightweight housing and is suitable for applications in both remote and fixed locations.	145mm (L), 95mm (W), 40mm (D)
		**PRORXD-2RU** A feature-rich COFDM receiver/decoder offering DUAL receive and flexible HD decoding, and with an excellent RF performance.	220mm (L), 320mm (W), 88mm (D)
		**SOL8 MIV** This Microvue HD briefcase receiver has an inbuilt solid-state recorder and PTZ control, and is ideal for tactical video surveillance.	424mm (L), 332mm (W), 111mm (D)
		**SOL8 NNVHDR** The NanoVue HD receiver is fully portable and has an enhanced microprocessor. It is perfect for tactical use or for surveillance on the move.	190mm (L), 100mm (W), 40mm (D)
		**SOL8 SDR-C/R/H/P** A range of tiny body worn units that can act as a MiMo Mesh radio or a transmitter or receiver, and are ideal for concealment or tactical mesh deployments.	C – 50mm (L), 50mm (W), 18mm (D) R – 130mm (L), 100mm (W), 25mm (D) H – 128mm (L), 67mm (W), 38mm (D) P – 200mm (L), 100mm (W), 27mm (D)
		**SOL7 CRX WITH ASU** Designed for the development of urban infrastructures, this highly flexible permanent or temporary solution can be left unattended 24x7.	359mm (L), 445mm (W), 85mm (D)
Transmitters		**SOL7TX** A miniature COFDM, highly power-efficient digital video transmitter, ideal for situations demanding reliable operation and power consumption.	65mm (L), 65mm (W), 18mm (D)
		**SOL7 HDNTX** This small HD Nano transmitter provides stunning, high-definition images. Its uses range from point-of-view links through to UAV drone installations.	67mm (L), 67mm (W), 22mm (D)
		**SOL7 DCAM** Our drop camera includes a COFDM digital video transmitter, battery, camera and microphone, all within a rapid deployment, robust chassis.	112mm (L), 45mm (W), 54mm (D)
		**SOL8 SDR-M** An ultra-miniature COFDM digital video transceiver that has been specifically designed for concealment applications.	50mm (L), 54mm (W), 11mm (D)
		**SOL8 SDR-P** This radio provides a compact higher power solution (2x2W) for increased range and enhanced connectivity for Point of View (PoV), body worn and concealment applications.	200mm (L), 100mm (W), 27mm (D)

CODAN | DOMO TACTICAL COMMUNICATIONS

LAW ENFORCEMENT SOLUTIONS

OUR PROCESS

Solving challenging requirements is what we do best

ASSESS

Our technical consultants will conduct a detailed on-the-ground assessment of:

- Human needs
- Operational environment
- Opportunities and challenges
- Cultural context
- Scenario planning

DESIGN

Our field service team will then design a custom solution for those challenges, using the right hardware and software from Codan or one of our technology partners.

DEPLOY

Our specialist logistics team gets the hardware and the resources to wherever you are, getting your system up and running fast.

TRAIN

We'll train operators and communications staff on how to use the system – which will be a short process, thanks to our easy-to-use interfaces and interoperability.

SUPPORT

We're available to be deployed within 24 hours for any support required. And we're always on hand for any advice you require.

CODAN COMMUNICATIONS | DTC

CODANCOMMS.COM

CONTACT US

E: sales@codancomms.com

W: codancomms.com

12-30065-EN Issue 1

CODAN | DOMO TACTICAL COMMUNICATIONS

LAW ENFORCEMENT SOLUTIONS

Codan | DTC video and IP solutions for overt and covert surveillance

We know that the most effective surveillance solutions are built on a deep understanding of the client's needs, combined with the use of cutting-edge technology.

We have 30 years' experience in the production of high-performance overt and covert video and audio surveillance solutions. These provide the highest levels of quality, a vital factor in the identification and monitoring of criminal activities. Codan | Codan | DTC has a global presence with tens of thousands of units in operational service, we continue to develop solutions for law enforcement agencies facing the toughest challenges in securing public safety.

MEETING THE NEED FOR HIGH QUALITY EVIDENCE

Codan | Codan | DTC provides overt and covert Coded Orthogonal Frequency Division Multiplex (COFDM) video surveillance systems. These enable the monitoring and recording of critical video data through both non-line of sight (NLOS) and line of sight (LOS) transmission systems. These solutions provide very high quality evidence, even in extremely challenging environments.

Our video products are all part of theCodan | DTC SOLO family, which offers point-to-point and point-to-multipoint digital wireless solutions. We use MPEG-2 and MPEG-4 (H.264) industry compression standards and DVB-T and DVB-T2 standard COFDM waveforms. This ensures that our digital SD and HD video performance continues to lead the way in both the surveillance and broadcast industries.

KEY FEATURES

ALL CODAN | DTC RECEIVERS PROVIDE

- Local decoding of video and audio and streaming of the demodulated encrypted streams
- Support for UDP and RTSP Unicast and Multicast streaming
- Optional use as IP decoders
- Multi-way diversity: from two-way up to eight-way in the PRORXD
- An on-screen diagnostics display
- A display of transmitter diagnostics on the GUI, sent via the transport stream
- Native support for multiple frequency bands in the SOL7CRX - but these can also be implemented with the PRORXD system using an antenna switch unit (ASU)

KEY BENEFITS

SECURITY

Our systems use a private network (so they don't rely on public or commercial networks) and are therefore more secure and flexible when used for law enforcement operations.

QUALITY

Our solutions use a fixed bit rate, providing more reliable quality. The COFDM channels are non-contested and provide low latency whilst also supporting NLOS operations. Meanwhile, video quality across multiple networks is improved by a mission commander transcoder.

RELIABILITY

Codan | DTC equipment has proven reliability: 24x7, 365 days a year, with units in constant operational use for 10 years+.

COST

Our radio frequency (RF) solutions are purchased on a single payment, so there are no recurring annual costs.

VERSATILITY

Our equipment enables bearers to be combined within a single system. Frequency allocations can be re-used across different cities or nationwide.

APPLICATIONS

OVERT SURVEILLANCE

Our overt video and IP systems can be deployed rapidly, making them ideal for situations such as crowd control or a hostage siege. Because they include independent, NLOS, long-range transmission, commanders can be confident that they will receive reliable, high quality, real-time video. And they are very versatile – they can be quickly relocated as they aren't reliant on external networks.

CONCELAMENTS

The ultra-miniature SOL8 SDR is compact (54mm x 50mm x 11mm), and has a very low power consumption and low heat emission. It is therefore ideal for specialist concealment applications. It is a reliable, NLOS video and audio solution that doesn't rely on external networks and can be rapidly concealed for long or short term deployments. It also has store and forward capabilities to assist with data retrieval and ensures constant evidence whilst helping to keep the officer safe.

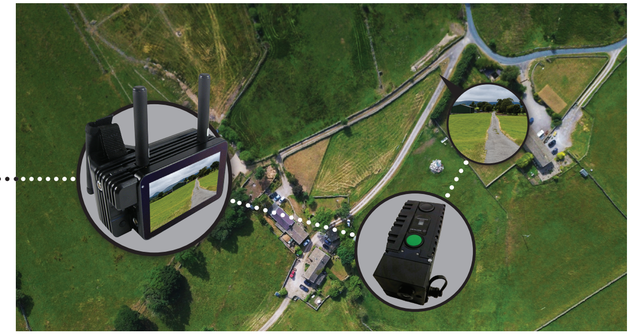
MISSION COMMANDER

Codan | DTC's Mission Commander is used operationally for both short and long-term surveillance, mobile covert missions and city-wide surveillance infrastructure applications. The software allows users to federate their systems so that they can share information without compromising security.

Mission Commander is compatible with many leading Video Management Systems, including Milestone and Genetec.

RURAL DEPLOYMENTS

When working in a rural environment where there is no access to a network, our COFDM systems are the ideal solution. If they are used as part of a multi-bearer system, an initial COFDM link can be seamlessly transferred to a Covert Monitoring Post or command post.



MESH DEPLOYMENTS

Our IP mesh technology is a fluid self-healing, self-forming mesh architecture that can play a pivotal role in surveillance operations. It provides high data rate connectivity in challenging environments, with a bi-directional capability that enables users to exchange and relay mission-critical video and data in areas that are unreachable by other technologies.