

Law Enforcement Solutions

DTC Law Enforcement Solutions

This brochure on DTC's innovative Law Enforcement solutions is part of a series of brochures on our core products: Video, Mesh, Broadcast, Audio, Search and Rescue, City Wide Infrastructures. Our products are also used in robotics and autonomous airborne applications.

Other related products



Product Description	Specifications
 <p>SDR-C (Concealment)* The SDR-C, offers 200mW total output in a tiny concealment form factor, ideally suited for integration in small drones or other size/weight critical applications.</p>	50mm (L), 50mm (W), 18mm (D) Power consumption (typ.): 7.5W (SD) Power Output: 2x100mW
 <p>SDR-H2 (Handheld) The SDR-H2 is a handheld MANET Mesh transceiver in a rugged "Soldier Radio" form factor. Offering a full 2W total output power and employing standard MBITR batteries, the SDR-H2 is ideal for a variety of tactical Mesh deployments.</p>	128mm (L), 67mm (W), 38mm (D) Power consumption (typ.): 10W (Mesh) Power output: 2x1W
 <p>SDR-M (Module)* Based on an innovative single board construction and mountable enclosure, the SDR-M is DTC's smallest, lightest, and lowest power Mesh concealment radio, offering up to 400mW total output power.</p>	56mm (L), 54mm (W), 11mm (D) Power consumption (typ.): 4W (Mesh) Power output: 2x200mW
 <p>SDR-UC (Uncrewed)* The SDR-UC is a single board medium power Mesh radio, ideally suited for outdoor concealment and integration.</p>	50mm (L), 50mm (W), 18mm (D) Power consumption (typ.): 7W (SD) Power Output: 2x1W
 <p>SDR-P (Plain)* The SDR-P is a software defined radio with 2W total output power. Ideally suited for a range of commercial and tactical applications.</p>	150mm (L), 75mm (W), 70mm (D) Power consumption (typ.): 10W (Mesh) Power output: 2x1W
 <p>NETNode-RM (Robust Mobile)* For dual mobile/stationary use in vehicles and as a fixed-site infrastructure node. The NETNode-5RM comes in 4W, 10W or 30W total output power variants.</p>	160mm (L), 160mm (W), 70mm (D) Power consumption (typ.): 25W (Mesh- 2x2W) Power output: 2x2W, 2x15W
 <p>Drop Camera* The DropCam is a Mesh-enabled camera module in a rugged tactical housing, incorporatin a software defined radio, HD camera, microphone, flexible antenna pair and battery.</p>	135mm (L), 55mm (W), 55mm (D) Power output: 2x100mW Battery runtime: 3 hours
 <p>NanoVue HD Receiver* The SOL8 NanoVue HDR is a fully portable digital diversity receiver, which incorporates a high resolution scratch resistant daylight viewable video screen, an antenna diversity pair and a battery contained in a rugged tactical housing.</p>	190mm (L), 100mm (W), 42mm (D) Battery runtime: 2 hours
 <p>CellCore-PT* DTC's CellCore-PT 4G router device allows communications over the public cellular network and is available in America or EMEA/Australia 4G frequency bands. Equipped with a built-in GPS receiver, the router also allows for geolocation positioning and time synchronization.</p>	52mm (L), 52mm (W), 12mm (D)
 <p>Encipher The Encipher is a dual channel HD video encoder designed for live video streaming and surveillance applications.</p>	95mm (L), 125mm (W), 26mm (D) Power consumption (typ.): 4W (SD)
 <p>Encipher Mini* The Encipher Mini HD IP Encoder is a device that is ideal for live video streaming and surveillance applications. The unit offers low delay HD-H.264 video encoding, HD-SDI/composite/HD-TV1 video input, HDMI video input and embedded or analogue audio input.</p>	100mm (L), 60mm (W), 23mm (D)
 <p>Encipher Micro* The Micro-Encipher can take in a range of video inputs, from HD-SDR to PAL, NTSC or TVI seamlessly encoding them with minimal latency to h264 to work in combination with the SDR-M and SDR-UC radios.</p>	61mm (L), 38mm (W), 11mm (D) Power consumption (typ.): 4W (SD)

*Unbranded OEM models available

For more information about our Law Enforcement Solutions or any other DTC solutions, contact your Sales Account Manager or one of our Regional Sales Offices. Or email us at info@domotactical.com

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0324

DTC Law Enforcement Solutions

DTC video, audio and data solutions for intelligence gathering and surveillance

Surveillance solutions need to be tailored to the operational requirements of the customer, and DTC prides itself on incorporating client feedback into our products, resulting in cutting edge technology.

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. DTC specialises in innovative, self-healing, self-forming network (MANET) radios and public cellular solutions that allow end-users greater versatility during NLOS, urban and subterranean missions. DTC offers both tactical and strategic regional and large area networked surveillance solutions.

Meeting the need for high quality product for short range or large area coverage

Whether your need is transmitted video, audio and data back from city, rural or adverse RF environments with little public network coverage, DTC have a portfolio of products with a diverse range of hardware options. Strategically deployed radios can be operated on a private network, covering hundreds of square miles, or as a small simple relay deployed to enable the critical last hop – to get back onto the public network with our **CellCore-PT** router. DTC provides MANET radios in a wide range of form factors to suit every deployment scenario; the ability to have a software defined radio means that you have the option of using any of DTC's unique encrypted waveforms. Waveforms are tailored to suit the number of deployed radios and the throughput required for each mission. DTC waveforms are well known for their non line of sight capabilities as well as incredible ranges in near line of sight, giving a robust performance in the most demanding environments, allowing customers to achieve the best possible transmitted product for their tactical deployments.



Key Features and Benefits of DTC Products

- When size is critical for deployments, **SDR-M** is one of the smallest MANET devices on the market, for seamless interoperability across Mesh networks.
- Low power draw is a key feature that helps extend deployment times.
- DTC maintains the utmost flexibility in accepting any kind of camera; HD-SDI, SDI, composite, USB and IP, either directly in, or with an addition of one of the **Encipher** range of products to the MANET radio. Serial pass through is available to have control of any camera.
- All video products can directly record to the hardware itself and provides a store and forward over Mesh, so your recordings are easily retrieved.
- Wi-Fi access point capability on products mean you can easily view encrypted video direct to your Android phone.
- World beating video compression means outstanding video quality over Mesh allowing greater ranges at low bandwidths.
- Inter connectivity to cellular products such as **CellCore-PT** means ease of backhaul or redundancy.
- **CellCore-PT** can provide a near seamless failover capability in conjunction with DTC MANET Mesh.
- Triggers can be deployed for monitoring and intelligence gathering, simple time date stamped alarms are sent to **Mission Commander** to allow situational awareness. Motion detection can be programmed to work with any camera and allow high resolution JPEGs to be transmitted before, during and post event whilst still maintaining a continuous video stream.
- Cognitive features are designed into every waveform – silencing the RF is key in some deployments for a low probability of detection. Interference Avoidance Scheme is crucial to maintain clear channels of transmission, all aiding the customer to achieve their goals.
- Our systems can use a mixture of private and public networks with the added security of VPN capability with optional encryption available certified to FIPS 140-2. You can rely on the use of both public and/or private, thereby making it more secure and flexible for operational deployments.
- Unbranded 'OEM' variants available upon request.

Key Applications to Solve Deployment Challenges

Miniature private wireless solution using SDR-M

Video compression + down to 50kbps

H.264 MPEG-4/AVC

Low probability of detection

Motion detection and record

FIPS 140-2 certified

Mission Commander

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.

Size and weight

Low power consumption

Video input options

Store and forward

Wi-Fi access

Our Products Work as Flexible Scalable Building Blocks to Suit Your Needs