Downlink

Clever, secure and reliable airborne transmission
DTC offer a number of downlink solutions to support the most demanding of missions, delivering video images of the highest clarity. There are multiple installation options for fixed wing, rotary and UAV, with Domo’s COFDM technology at its core.

**Great Flexibility in One Product**
DTC’s downlink solutions offer flexible bit rate ranges in one device. Working in both HD and SD, this gives the operator the flexibility for increased link sensitivity and range – a benefit unique to DTC.

**The Professional’s First Choice**
Quality broadcast standards. In addition to the standard SD, HD and IP streaming outputs, DTC offers a range of professional capabilities including Genlock, SDI, ASI, UVML and HDSDI.

Scalable solutions. Wide range of products for every application and through DTC’s wider capabilities within the group, we can offer certification services and turnkey installation, commissioning and support.

Best image quality. Selection of modes and features via an easy-to-use control panel enable operators to deliver the highest bit rate within the constraints of the link budget, ensuring image resolutions are to the highest standard possible.

Optimised data services. A number of bandwidth solutions which are interoperable with networked services.

Quality mobile performance. DTC’s COFDM modulations are specifically designed for optimum operation and outperform competing systems by offering the best image, system flexibility, range and link reliability on an aerial platform.

**Low Weight, High Power form factor**
DTC’s range of professional receivers are designed with a focus on size, weight and power efficiency, allowing for different installation options to suit a variety of airborne platforms. DTC receivers can offer the benefit of 8-way diversity combined with special antenna arrays. Antenna sensitivity of 15 dBi can be achieved with a fixed 360 degree array with integrated ‘up looker’ – DTC’s bandwidth options enable the longest range possible and reduces transmit power requirements on the airborne platform.

**Secure Streaming**
All downlink solutions are available with AES end-to-end encryption and IP streaming with options to control multicast to different agencies and sites. The end user has the ability to remotely browse into the receiver, allowing them to manage the operation or control the transmitter over IP via the DTC Mesh radio. This frees up pilots and crew to focus on operational issues.

**Complete family of products**
DTC has a complete family of products for both aircraft and UAV applications. As well as fixed wing and rotary solutions, we offer a range of miniature transmit-and-receive solutions suitable for smaller UAVs. This is ideal for when lower power and light-weight packages are required. Available as integrated OEM solutions to ensure minimum payload. In addition to IP a range of low latency control return path options are also available, in both single and dual frequency.

**Simple and Reliable Aircraft Installation**
- Single or twin passive omni antenna solutions
- Offers great in-service reliability
- Low installation cost negates the need for active directional antenna solutions in some applications.

**The smallest transmitter in the DTC range – D1500 footprint**

**Designed to meet DO-160 standards**

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domotactical.com
SOLO downlink and amplifier options for every application

Typical IP Mesh link capability
(Total MIMO link throughput at 6MHz bandwidth (15MBps))
DTC Downlink Products

DTC has the right downlink solution to meet the requirements of any military, police or commercial operation. With COFDM technology delivering high quality images, our downlinks are proven in service for military, police, SAR and broadcast users and are repeatedly chosen for its superb image quality, reliability, low latency and value for money.

For further information on DTC Downlink or any other of our range of surveillance solutions contact your Sales Account Manager or one of our Regional Sales Offices, or email solent.info@domotactical.com