

**DTC Communications, Inc.**  
**d/b/a Cobham Tactical Communications & Surveillance**  
486 Amherst Street  
Nashua, NH 03063  
(800) 233-8639 / (603) 880-4411  
Fax (603) 880-6965

**To:** Mick Fichtl  
Collin Co. Sheriff  
4300 Community Ave  
McKinney, TX 75071  
Phone: (972) 547-5100  
Fax: (972) 547-5304

**From:** Jocelyn A Bickford  
**Date:** 06/28/2011  
**Quote Expires:** 09/26/2011

**Quote Number:** JAB-R-00126-01  
Please reference this quote number on purchase orders

**SALES QUOTATION**

**\*\*PLEASE PROVIDE FREQUENCIES (IF APPLICABLE) WHEN PLACING AN ORDER TO SPEED UP DELIVERY\*\***

<b>Part #</b>	<b>Description</b>	<b>Price</b>	<b>Qty</b>	<b>Extend</b>
8003002-S-DVR-AES128	Digital RX Microvue Digital Receiver, S-Band NA (North American) Kit with DVR, AES128	\$16,326.32	1	\$16,326.32
PD2-TX-250-S	Digital TX Palladium II TX, 250mW, S band, DVB-T, NB, UNB, AES128	\$9,100.00	1	\$9,100.00
COL-5-S2	Omni Antenna 5dBi Colinear Antenna Omnidirectional TNC (F) 2.2 to 2.3 GHz	\$499.00	1	\$499.00
MAG-5	Mag Mount for COL-5 12 Ft low loss cable with TNC (M)	\$249.00	1	\$249.00

**Comments:** TXMAS State Contract # 5-581010 Terms and Conditions Apply except to Open Market Items.  
No Charge Shipping

**Total**      **\$26,174.32**  
**USD**

**Terms and Conditions:** This quotation is subject to DTC Communications, Inc. Terms and Conditions, which are posted on our website. Go to: [www.cobham.com/dtc](http://www.cobham.com/dtc)

**Warranty:** 1 year warranty from date of purchase for electronic parts and workmanship  
(EXCEPT WHERE NOTED)

**Shipping:** FOB Destination

**Payment Terms:** Net 30 , Prepay, Visa/Mastercard

**Fed ID No.:** 02-0494195

**Please address all purchase orders to:**

**DTC Communications, Inc.**  
**d/b/a Cobham Tactical Communications & Surveillance**  
486 Amherst Street  
Nashua, NH 03063

**Shirley Cook**

**From:** Shirley Cook  
**Sent:** Wednesday, June 15, 2011 4:01 PM  
**To:** Lanette Saetre  
**Cc:** Mick Fichtl; Chuck Ruckel  
**Subject:** FW: FY11 - WO66449 - Microvue Digital Receiver With DVR

Lanette,

Please see response below regarding the Digital Receiver.

Thanks,  
Shirley  
X5152

**From:** Mick Fichtl  
**Sent:** Wednesday, June 15, 2011 3:51 PM  
**To:** Shirley Cook  
**Subject:** RE: FY11 - WO66449 - Microvue Digital Receiver With DVR

This item is a stand alone transmitter and receiver so it wont be connected to anything other than electrical plug : ).

It is used for covert operations such as monitoring jail or other locations for criminal activity.

**Lt. Mick Fichtl**  
**Collin County Sheriffs Office**  
**Special Operations Unit**  
**4300 Community Ave.**  
**McKinney, Texas 75071**  
E-Mail [mfichtl@collincountytx.gov](mailto:mfichtl@collincountytx.gov)  
Agency Number 972-547-5100  
Desk Number 972-547-5166  
Fax 972-547-5377

**From:** Shirley Cook  
**Sent:** Wed 6/15/2011 3:24 PM  
**To:** Mick Fichtl  
**Cc:** Chuck Ruckel; Mark Sanderson; Lanette Saetre  
**Subject:** FY11 - WO66449 - Microvue Digital Receiver With DVR

Mick,

Can you give a brief description where the item will be used and what it will be connected to?

6/15/2011

# DTC Palladium™ II Digital Video TX

# COBHAM

Model - Pd2-TX

The most important thing we build is trust.

## Features Digital Video Transmitter

The Palladium Series of digital video transmitters provides exceptional video quality in high multipath environments. They are ideal for use inside buildings, in urban areas, and other applications where multipath would cause video tearing or breakup in analog signals.

All Palladium II series transmitters are programmable to support 3 bandwidth modes:

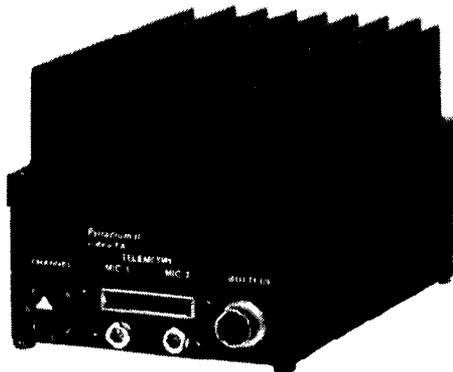
- Wideband DVB-T (6, 7, 8 MHz)
- Narrow band (2.5MHz)
- Ultra-narrow band: (1.25 MHz)

All Palladium Series transmitters are designed to transmit video, two audio channels, and a data channel. Transmitters may be located on adjacent channels without a guard band. AES encryption ensures secure communications.

The Palladium II 100 mW is ideal for surveillance, robotic, and UAV applications, the package is only 4.2" x 2.6" x 0.65" (approximate dimensions not including connectors).

## Features

- Power Output available 100 mW, 250 mW, or 1W
- Wideband DVB-T compliant: 6, 7, 8 MHz
- Narrow bandwidth 2.5 MHz channel
- Ultra Narrowband 1.25 MHz channel
- Full frame rate standard resolution digital video
- Supports both NTSC & PAL formats
- MPEG-2 or MPEG-4 compression
- Two high fidelity audio channels
- AES 128 encryption (AES 256 optional)
- Serial data channel 115.2 Kbaud max
- Optional 2 W external power amp



## Accessories

- 10 cell AA Lithium Battery Pack
- Microphone (2)
- DC Power Cable, flying lead
- Camera Power Cable, flying lead
- Programming Cable
- Antenna
- Ac Power Cable (250 mW & 1 Watt)

## Specifications:

Product Name	DTC Pd2-TX Digital Video TX
Operating Temp	0°C to 40°C
Temp Range	0°C to 40°C
Power Consumption	700mW (max)
Dimensions (mm)	108x66x17

Display	Eight character green LED
Compression	MPEG-2 or MPEG-4
Output	Composite Video, PAL or NTSC, 4:3 or 16:9
Microphone Ports	2
Antenna Connector	BNC

DC Voltage (V)	5V to 12V
Operating Temp	0°C to 40°C
Operating Humidity	10% to 90% RH
Operating Altitude	0 to 10,000 ft
Operating Voltage	5V to 12V
Operating Current	700mA (max)

For further information please contact:

Cobham Surveillance  
DTC Products  
486 Amherst Street  
Nashua, New Hampshire 03063 USA  
Tel: 1-800-233-8639  
Fax: 1-603-880-6965

(MDS1920136 11DEC09)

# MicroVue Digital Video Receiver/Recorder

# COBHAM

Model - MicroVue

The most important thing we build is trust

The Cobham Surveillance MicroVue is a briefcase receiver/recorder package for tactical video surveillance operations. Additionally, it can be used as a remote video receiver for UAV and UGV applications.

The MicroVue combines a Cobham COFDM Receiver with two diversity down-converters and two antennae into one rapidly-deployable briefcase kit. An 8.4" color LCD screen is mounted in the lid, while a comprehensive touch screen control panel is supplied for control and set up.

The MicroVue is supplied with AC, DC and internal battery power. For unusual installations, the internal antenna and down-converters can be bypassed and external ones fitted instead. As standard, the MicroVue is supplied without

a recorder, but can optionally be fitted with a DVR.

The Cobham Surveillance narrow bandwidth modulation offers unprecedented spectrum efficiency, while also increasing the system sensitivity and, therefore, range.

The MicroVue has comprehensive On Screen Display diagnostic capability to show link quality and spectrum and is equipped with video, two-voice and data channels. Security of transmission is ensured by the use of Standard ABS and AES 128 encryption or ( 256-bit encryption optional ).

## Features:

- Comprehensive demodulation 8/17/6/2.5 and 1.25MHz
- Maximum ratio combining antenna diversity for fade and multipath elimination
- Lid mounted antenna
- 8.4" color monitor in lid
- AC, DC, internal battery operation
- Batteries recharged internally
- Comprehensive On Screen Display (OSD) diagnostics for link analysis, including spectrum analyser
- 5.5" touch screen in base for device configuration
- Headphone output
- Internal AES128 ( 256 encryption optional)
- Optional DVR
- ASI ( Audio/Video )
- External IP streaming video ( optional )
- Call for availability



For further information please contact:

Cobham Surveillance  
DTC Products  
486 Amherst Street,  
Nashua, New Hampshire 03063 USA  
Tel: 1-800-233-8639  
Fax: 1-603-880-6965

(MDS1920178 11DEC09)

[www.cobham.com/dtc](http://www.cobham.com/dtc)