

# Top Hat with DynaDome II™

MODEL VDD-VTX-2000



## Features

- ▲ Drop and Go capable
- ▲ VHF control of P/T/Z functions using supplied radio
- ▲ Top Hat Platform for communications and control
- ▲ DTC VMS/L-2000 series ten channel microwawe transmitter
  - Fully user programmable from front panel
  - 10 channel select switch
  - High/low power switch
- ▲ DTC R-2002 ten channel NTIA compliant VHF receiver
  - Fully user programmable from front panel
  - 10 channel select switch
- ▲ 12 VDC power output for setup monitor or other accessory
- ▲ WS-CS854 inverted dome camera
- ▲ 22X optical zoom
- ▲ Panning range of 360 degrees
- ▲ Variable speed PTZ
- ▲ Switchable between color and B/W
- ▲ All connections/controls on exterior surfaces
- ▲ Built in telephone interface for dial up control
- ▲ 5W VHF radio and battery charger



**DTC COMMUNICATIONS, INC**

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## Top Hat with DynaDome II™

DynaDome II takes the Top Hat system one step further, and gives you a fully integrated camera and communications/command/control package, ready to use out of the box. Using the Top Hat as the platform, we've added a DTC DynaDome™ camera and mounted it directly on the Top Hat lid. Connections are made through a serial port, and we communicate between the Top Hat and the camera using an internally mounted control board from Unilux.

This is an ideal drop camera platform, and set up takes literally seconds. Set the DynaDome II where you want it (next to a window, in a car, etc.), apply AC, vehicular DC or battery power, and you're ready to go. Control camera and P/T/Z functions through any standard VHF two-way radio.

The DynaDome™ camera is a Panasonic model WS-CS854, modified by Unilux. It has a 360° pan, variable speed PTZ, and is color or B/W switchable.

Top Hat is controlled using a standard VHF two-way radio, equipped with a key pad. DTC includes a radio and battery charger with each unit.

### Models

- ▲ VDD-VML-2000 1700-1850 MHz operation, 250mW/2W
- ▲ VDD-VMS2-2000 2200-2300 MHz operation, 250mW/2W
- ▲ VDD-VMS-2000 2400-2500 MHz operation, 250mW/2W
- ▲ VDD-VML-5000 1700-1850 MHz operation, 2W/5W
- ▲ VDD-VMS2-5000 2200-2300 MHz operation, 2W/5W
- ▲ VDD-VMS-5000 2400-2500 MHz operation, 2W/5W

### Specifications

Unilux Controller	IF-200P
<b>Control Receiver(DTMF RX)</b>	
Model	DTC R-2002
Receiver Frequency Range	150-174-MHz or 138-150 MHz, 10 channels
<b>Microwave Transmitter (Video)</b>	
Model	DTC VMS/L-2000 standard DTC VMS/L-5000 optional
Power Output	250mW / 2 Watt switchable 5W optional
Power Controls	Hi/Low switch on front panel
Frequency ranges	1700-1850 MHz, 2200-2300 MHz, or 2400-2500 MHz
Number of Channels	10, user programmable (video frequency)
Video Antenna	Dipole standard, via TNC side mounted connector, other optional depending on requirement
Power	90-240 Vac 50/60 Hz 35 Watts 12-16 DC 3 Amps
<b>Camera</b>	
Resolution	768 (H) x 494 (V)
Horizontal Scanning Frequency	15.734 kHz
Vertical Scanning Frequency	59.94 Hz
Video Output	1.0 V p-p NTSC composite / 75
Signal-to-noise Ratio	50 dB (AGC off, weight on)
Minimum Illumination	0.06 lx (0.006 fc) at B/W, 1 lx (0.1 foot- candle) at color
Zoom Speed Approx.	2.1 s (TELE / WIDE) in sequence mode
Focus Speed Approx.	2 s (FAR / NEAR) in sequence mode
Iris	Automatic (Open / Close is possible) / manual
Maximum Aperture Ratio	1:1.6 (Wide) - 3.0 (Tele)
Focal Length	3.79 - 83.4 mm
Angular Field of View	H 2.6° - 51.7° V 2.0° - 39.9°
Electronic Shutter	1/60 (off), 1/100, 1/250, 1/500, 1/1,000, 1/2,000, 1/4,000, 1/10,000 s
Zoom Ratio Optical	22x (3.79 - 83.4 mm) with 10x electronic zoom
Iris	Range F1.6 - 64, Close
Panning Range	360° endless
Panning Angle Setting	Possible
Panning Speed Manual:	Approx. 0.1°/s - 120°/s 16 steps Preset : Maximum approx. 300°/s
Preset :	Maximum approx. 300°/s
Pan/Tilt	Manual / Sequential position / Sort position / Auto Pan
Controls	Pan/Tilt, Lens, 64 Preset Positions, Home Position
Controller I/F	RS-485 port
Ambient Operating Temperature	-10°C - +50°C (14°F - 122°F)
Dimensions	10"L x 7.5" W x 4.5"D 8" L x 5"D (Dome)
Weight	15 lbs

Intended for: **State, Local, Federal, International** use



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