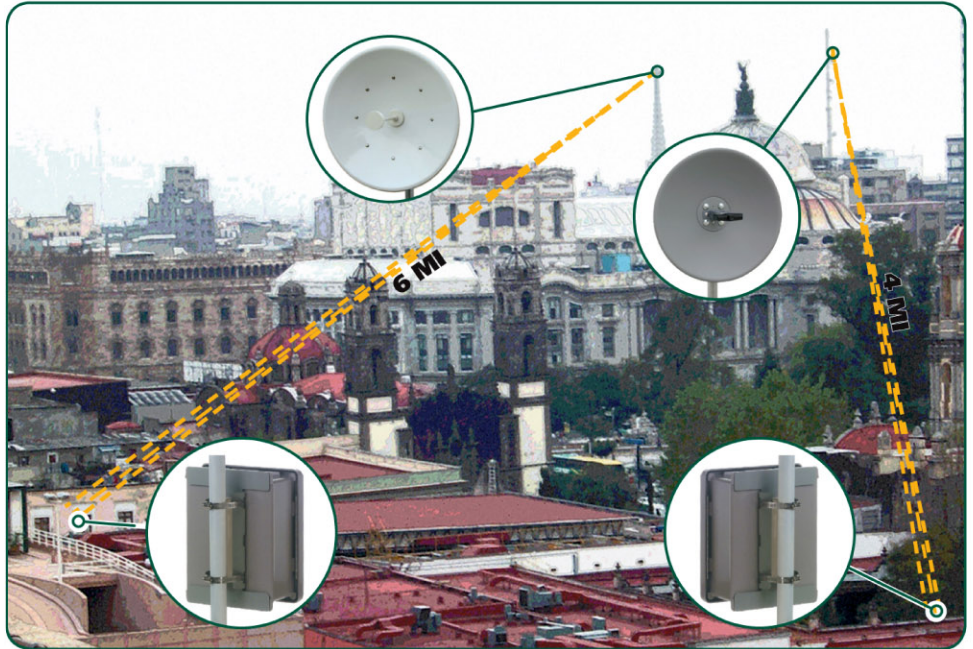




## V-MAX 5.8GHz Series

Video/Audio/Data Transmission Systems



**WTI's V-MAX goes where cable can't - in all climates and adverse conditions!**

**WTI's** V-MAX series is the ultimate solution when conventional cable installations are impractical or impossible. These systems provide simultaneous, real-time transmission of video, dual-channel audio and/or RS-232 data. The V-MAX series provide exceptional wireless performance in all climates and are unaffected by fog, rain or snow.

### A Multitude Of Features

- 16 field-selectable channels of operation.
- Systems come complete - no extras to purchase.
- Utilizes high-technology phase-array microstrip antennas.
- Seamless operation with any WTI P/T/Z data system.\*
- No user license required.

### There are Three V-MAX Systems to Choose From

**V-MAX I** This system is for moderate range transmission up to two miles. The V-MAX I utilizes an internal, phased-array microstrip antenna on both the transmitter and receiver.

**V-MAX II** This system is for longer range transmission up to four miles. The V-MAX II transmits with an internal, phased-array microstrip antenna and receives with an external, mast-mounted, low-gain dish antenna.

**V-MAX III** This system is for distance transmission up to six miles. The V-MAX III transmits with an internal, phased-array microstrip antenna and receives with an external, mast-mounted, high-gain dish antenna.

**WTI**<sup>®</sup>

[www.gotowti.com](http://www.gotowti.com)

An ISO 9001:2000 Certified Company

# Product Information - V-MAX Video/Audio/Data Transmission Systems

The V-MAX System includes: (1) Video Transmitter, (1) Internal Transmitter Antenna, (1) Video Receiver, (1) Receiver Antenna, (2) Internal Universal Power Supplies, (1) Installation/Operations Manual, (2) Pole Mount Brackets and Mounting Hardware.

## WTI

### Video Transmitter TX-5800

Prime-Power Requirement	85-264 VAC, 50/60 Hz, 25 Watts
System-Power Requirement	12 VDC @ 250 mA
Transmit Frequency Range	5725 to 5875 MHz
Frequency Stability	0.005% over -20°C (-4°F) to +45°C (+113°F)
(with optional heater)	ambient
Antenna Gain/Beamwidth	+20 dBi/14° PA-5820 (microstrip phased-array)
Radiated Field Strength	50,000 µV/meter @ 3 meters
Spurious & Harmonic Output Modulation	less than -60 dBc FM video and FM sub-carriers
Sub-Carrier Frequencies	6.0 and 6.5 MHz
Video Input	BNC Female
Video Input Format	B/W or color, NTSC or PAL, sync negative
Video Input Level	1.0 V pk-pk
Video Input Impedance	75Ω



Audio/Data Inputs/Outputs	Phoenix P/N MTSB 2.5/4-ST-5.08 detachable screw terminal strip
Contact Closure I/O	Phoenix P/N MTSB 2.5/2-ST-5.08 detachable screw terminal strip
Operating Temperature	-20°C (-4°F) to +60°C (+140°F)

### Physical Dimensions

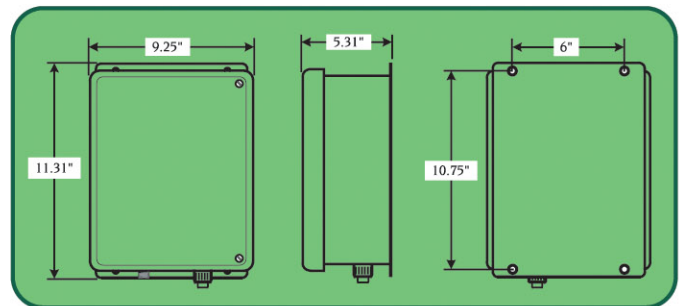
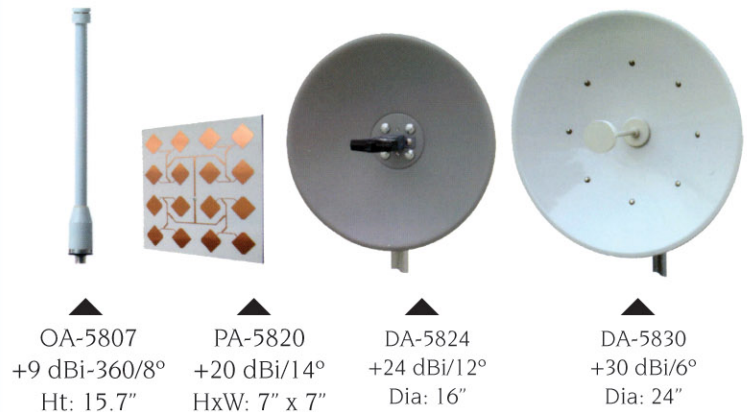
Size	9.25" (23.6 cm) W x 11.3" (28.7 cm) H x 5.3" (13.5 cm) D
Weight	6 lbs. (2.7 kg)

Weatherproof NEMA 4X non-metallic enclosure provided with a mast-mounted bracket (2" diameter mast, minimum size.)

## WTI

### Video Receiver RX-5800

Prime-Power Requirements	85-264 VAC, 50/60 Hz, 25 Watts
System-Power Requirements	12 VDC @ 300 mA
Receive Frequency Range	5725 to 5875 MHz
Frequency Stability	0.02% over -20°C (-4°F) to +45°C (+113°F)
(with optional heater)	ambient
Receiver Sensitivity	-89 dBm for 30 dB S/N
Antenna Input	Female N connector (V-MAX II & III only)
Antenna Gain/Beamwidth	PA-5820 (microstrip phased-array) +20 dBi/14° DA-5824 (16" dish) +24 dBi/12° DA-5830 (24" dish) +30 dBi/6° OA-5870 (omni) +9 dBi-360/8°
Noise Figure	under 4 dB
Video Output	BNC female
Video Output Level	1.0 V pk-pk
Video Output Impedance	75Ω



\*See the D-MAX Camera Control Product Spec Sheet for Pan/Tilt/Zoom, Multiplexer and Camera Control Options.

MADE IN USA • Conforms to EIA-330-CCTV-A

**Contact a WTI applications engineer to configure a system to perfectly suit your needs.**

Due to Wireless Technology, Inc.'s continuing efforts to engineer the best product, that is most responsive to our customer's needs, the above specifications are subject to change.