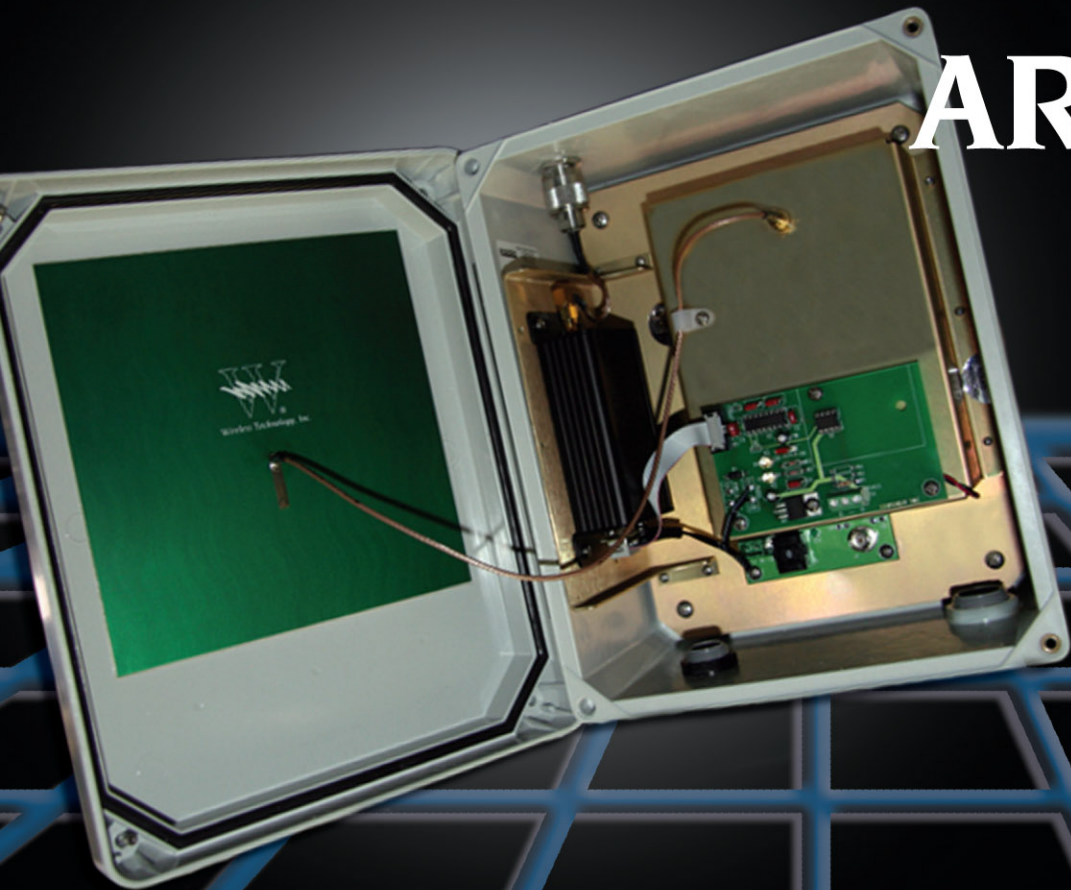


**When Failure is Not an Option!**

# AR4000-D

*Series Short Range Wireless  
Integrated Video and  
P/T/Z Data Systems*



**WTI's wireless systems gives you flexibility and unmatched security!**

*When conventional cable installations are impractical or impossible, WTI's AR4000-D integrated systems provide high quality, real-time wireless video and P/T/Z control. The AR4000-D Series is designed to provide exceptional performance through all climates and are not affected by fog, rain or snow.*



## **Features include:**

- The most cost effective solution.
- Eight field-selectable channels of operation.
- LED indicator for video power, data TX/RX and link confirmation.
- High-technology microstrip antennas.
- Optional thermostatically controlled heater.
- Seamless operation with any RS422 P/T/Z camera.
- This system is "turn-key." No extras to purchase.
- No user license required.



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

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# Product Information : AR4000-D

The AR4000-D System includes: (1) Video Transmitter/PTZ Data Receiver w/Internal Video Antenna and External Data Antenna, (1) Video Receiver/PTZ Data Transmitter w/Internal Video Antenna and External Data Antenna, (2) Internal DC Power Adapters, (1) Installation/Operation Manual, (2) Pole Mount Brackets and Mounting Hardware.

## Technical Specifications

### Video Transmitter – TX

Power Options	12VDC @ 500mA wall transformer (standard) or 85-264 VAC, 50/60Hz, 25 watts
Heater Model Power Options	24VAC @ 1.4A wall transformer (standard) or 85-264 VAC, 50/60Hz, 40 watts
Frequency Band	5.732 GHz to 5.867 GHz
Frequency Accuracy	50 ppm, -20° C (-4° F) to +45° C (+113° F)
Effective Radiated Power	50,000 μV / meter @ 3 meters
Transmitter Attack Time	Less than 5 m sec.
Spurious & Harmonics	Less than -60 dBc
Modulation	FM video
Pre-Emphasis	Complies with ITR and CCIR, 405-1
Transmitter Antenna	Gain +24 dBdl, beamwidth 160°
Video Input	BNC female connector
Video Input Format	B/W or color, NTSC or PAL composite video signal
Video Input Level	1.0V P-P, 75Ω



### Video Receiver – RX

Power Options	12VDC @ 500mA wall transformer (standard) or 85-264 VAC, 50/60Hz, 25 watts
Heater Model Power Options	24VAC @ 1.4A wall transformer (standard) or 85-264 VAC, 50/60Hz, 40 watts
Receiver Input Sensitivity	-70 dBm
Receiver Accuracy	0.02%, -20° C (-4° F) to +45° C (+113° F)
Effective Radiated Power	50,000 μV / meter @ 3 meters
Spurious & Harmonics	Less than -60 dBc
Noise Figure (total system)	<4 dB
Video Output	BNC female connector
Video Output Level	1.0V P-P, 75Ω
Receiver Antennas	Gain +24 dBdl, beamwidth 14°



Wireless Technology, Inc.

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.

## P/T/Z Data Transceiver AR900DM



Power Options	12VDC @ 500mA wall transformer (standard) or 85-264VAC, 50/60Hz, 25 watts
Heater Model Power Options	24VAC @ 1.4A wall transformer (standard) or 85-264VAC, 50/60Hz, 40 watts
Operating Temperature	20° C (-4° F) to +65° C (+149° F)
Frequency Band	902 ~ 928 MHz
Output Power	100mW
Radio Technique	FHSS
Modulation	FSK
Channels	32
Antenna Connector	"N" type female (50Ω)
Supported Communications	
Standard	RS422, RS485 (2-wire)
Optional	RS232, RS485 (4-wire)



SYSTEM POWER  
Phoenix contact P/N 1757019

### SYSTEM DIMENSIONS

Weight	7 lbs. (3.2 kgs.)
Size	9.3" (23.6cm) W x 11.3" (28.7cm) H x 5.3" (13.5cm) D

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

