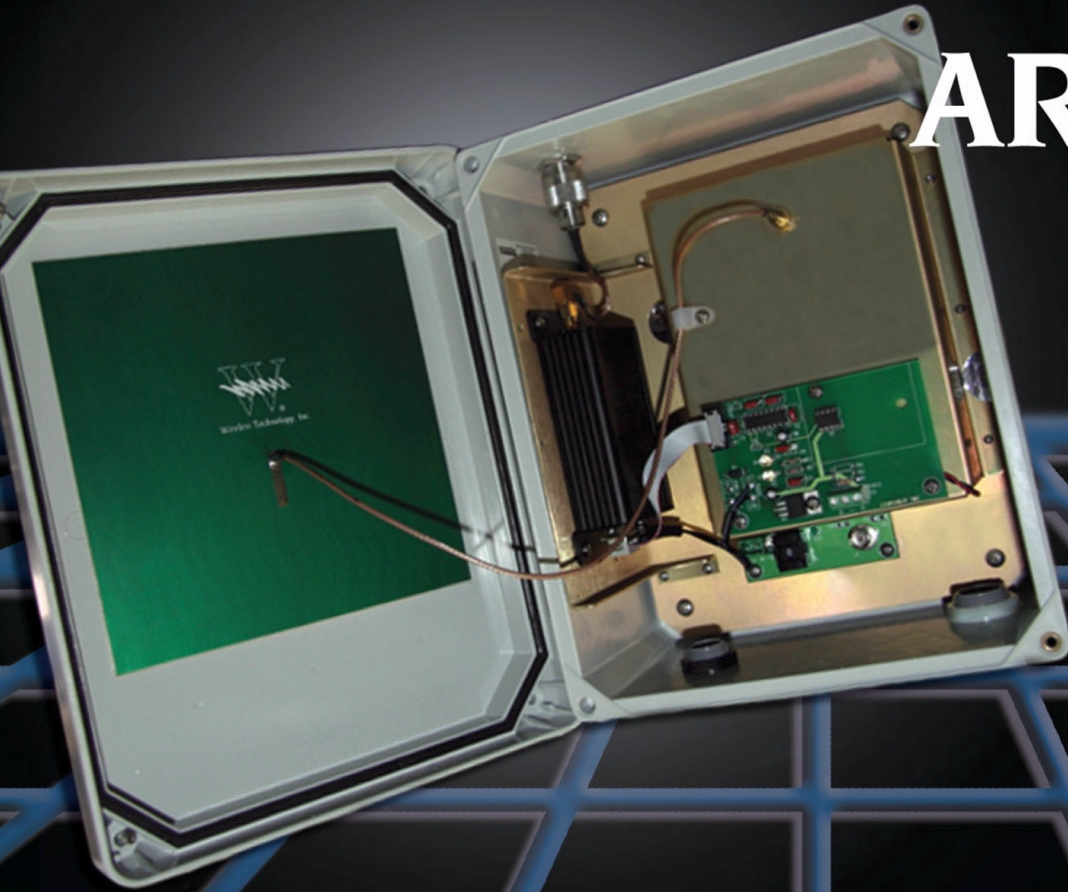


When Failure is Not an Option!

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.

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 dBdI, 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 dBdI, beamwidth 14°

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).

