



CD3
Video Security

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TX-XTR Information



TX-XTR 2.4GHz video transmitter. This single channel (2 channels available) VIDEO-ONLY link is 'plug and play' compatible with ALL of our color and black and white cameras. Standard composite RCA video input for camera. Designed for use with our mating #RX-XTR wireless receivers. COMPLETE technical specifications (a.k.a. "specs") below.

Profile:

What an amazing high bandwidth FM system. Many inferior units in the marketplace can be found costing twice as much or even more. With its specially engineered matching circuitry and built in directional antennas, this unit has tested at 15 miles in outdoor LOS (line-of-sight) conditions with properly oriented transmitter & receiver. We put it at "5 miles" to be conservative. TX-XTR + RX-XTR system also has excellent barrier penetration ability (through 1-6 barriers such as walls and floors) for shorter range applications.

The matched system features a HIGH RF output power transmitter for 2.4GHz - and highly sensitive receiver, both with 6dB directional antennas. Transmitter is NOT channel-selectable but 2 different channels are available (read more below) for multi-link usage. These devices are TOTALLY directional, which means that LONG distances in LOS (line-of sight) conditions or even shorter distances through barrier(s) will REQUIRE that each unit be properly pointed facing each other, with only a few degrees of variable margin of 'play' to achieve or maintain optimum signal.

This is only half of a 'system' and requires the other side of link to function. #TX-XTR transmitter has been designed for use with #RX-XTR receiver. These are separate items and this is NOT meant to confuse. The only reason we separated them was that both indoor XTR and outdoor XWR series transmitters and receivers are 'cross compatible' and we have had some customers request they be separated for their specialized indoor + outdoor specialized purposes. These are figured for channels "2" and "3", which will work in each other's presence if an additional indoor or outdoor system link is ordered for simultaneous use. If 2 separate link systems are purchased at once, order will AUTOMATICALLY be shipped with 2 ALTERNATE channel units (to ensure excellent use when in relative proximity to each other). If for some reason user needs 2 or more systems on the SAME frequency/ channel, please simply contact us.

Neither transmitter nor receiver is designed for auxiliary attachments such as higher gain antennas, amplifiers, etc. Even though this frequency resides outside of the FCC part 15 "ISM" band ('Industrial, Scientific, Medical') used by consumer-type 2.4 stuff, powerful systems like these may cause some interference on weaker signal 2.4 devices, include wireless LAN computer networking, 2.4 gig cordless telephones, alternate video transmission and other devices.

High-quality FM wireless video is amazing and may work very well for a given user application. However, it is certainly not 'magic'. Choosing the best frequency/ RF power and the most appropriate antenna(s) for the given application will greatly improve user's odds for desired success. A careful analysis of all known factors and a preparedness for certain types of potential problems which can never be fully realized until initial site trial and potential re-orientation of a system. Please read more on our wireless FAQ page.

We carry ONLY wireless equipment manufactured with quality-engineered onboard surface mount board + processor components (critical to produce a high quality wireless video unit). Too many in our industry are making false and exaggerated claims about their inferior products and about wireless video technology in general. You never have or will find such products or erroneous information on our site.

Common Applications:

- Temporary and permanent fixed location point-to-point links for monitoring & surveillance equipment
- General CCTV video and security purposes where installing hardwired connection is not feasible or possible

Available Options:

Fully regulated #PWR-500R AC/DC transformers (wall plug-in for constant use) included FREE with each #TX-XTR + #RX-XTR system ordered.

TX-XTR also includes BAT-1 battery pack for mobile portable use.

Variations / Alternate Equipment to Consider:

We also carry the weatherproof #TX-1WW system (FCC pt. 90 approved) which features the MAX in consumer-licensed available range. Rated for SIXTY (60) MILES in LOS conditions!!

Cautions:

This IS a NOT a weatherproof transmitter, and as such must be treated carefully and never left outdoors without the proper weatherproof housings.

This device is NOT audio capable.

Because this unit has no built-in 'reverse polarity protection' circuitry, it MUST be powered PROPERLY and ONLY with available CD3 Video Security power accessories to guarantee SAFE operation. Using improper 'reverse power' (i.e. a power supply with center pin negative polarity) WILL DESTROY THIS UNIT. Unregulated transformers marked at "12 volts DC" are more likely producing 18-30 volts, as seen when tested with a simple DC volt meter. While over-voltage of electronic circuitry may allow operation, but may also be greatly decreasing device longevity by "over-driving" and likely overheating that circuitry, which may even result in immediate damage. Please consult our power FAQ page for more information.

Reception range and quality of wireless performance is based on a number of factors which can generally be determined only after actual testing has been made. Please consult our wireless FAQ page for MUCH more information on this subject.

TX-XTR Technical Specifications

RF Frequency Range	2.4 Ghz
RF Output Power	100 mW (milliwatts)
# Channels	1
Total Bandwidth	transmits 400+ color TV lines of resolution
Modulation Method	consistent FM (frequency modulated)
Signal Stability	+/- 250 KHz phase-lock-loop (PLL) synthesized
Standard Antenna	high gain 6 dB flat panel patch antenna built-in
BEST Line-of-Sight Range	approx. 25,000 ft. with RX-XTR
Input Voltage	12 volts (+/- 10%) DC center pin + positive
Power Consumption (milliamps)	450 mA or less
Video Input Type	Composite 1 Vp-p @ 75 ohms unbalanced
Video Input Plug	RCA (adapts easily to BNC)
Power Input Plug	2.1mm inner diam. x 5.5mm outer diam. center pin + positive
Audio Transmission?	no audio
Dimensions	7.1" x 4.5" x 2.0"/180mm x 113mm x 50mm
Weight	4.2oz. / 118g
Cord Length	N/A
Warranty	one year
*Additional Features	includes free AC/DC wall transformer, BAT-3 mobile "AA" battery pack, built-in antenna