



CD3
Video Security

www.eyespyvideo.com
24 Hour Sales: 800-568-6871
Customer Service: 800-568-9291 (9am - 5pm Central US)
Fax: 800-568-6356
info@eyespyvideo.com

TX-5A Information



TX-5A 434 MHz (UHF channel 59) AV transmitter. This single channel micro transmitter is 'plug and play' compatible with ALL of our color and black and white cameras and AM-1 microphone, as well as most consumer camcorders. Standard composite RCA audio + video inputs. Designed for use with most standard consumer 'cable-ready' TVs and VCRs, as well as handheld portable television sets. COMPLETE technical specifications (a.k.a. "specs") below.

Profile:

What an amazing and TINY unit. BEWARE that most 434MHz sets you'll find are greatly inferior with substandard engineering and very low (as well as often exaggerated) average RF output power. We've carried this transmitter for years and it has proven to be stable and reliable when properly used and powered. Even inferior units can be found out there costing twice as much or even more! We have tested this unit at over 800 ft. in outdoor LOS (line-of-sight) conditions.

*NOTE: This transmitter is among our most MISUNDERSTOOD devices. Once powered, it simply plugs into one of our cameras and is broadcasting the camera signal, just like ANY of our wireless transmitters. But this CANNOT be received by televisions plugged into active cable (or satellite) descrambler 'boxes' as many believe. #TX-5/5A units broadcast to a UHF frequency which is received on 'cable-ready' tuners preset to channel #59, or analog (dial-type) televisions, including portable just under channel 14. User will likely require an "air" antenna (i.e. UHF bowtie or loop style) to receive the signal as 'rabbit ears' are tuned in to lower VHF frequencies. *Consumer television sets and VCRs with built-in TV tuners are notorious for having weak UHF reception.

Confused yet??!! Based on the number of variables involved, 434 MHz is RARELY recommended in place of 900MHz equipment.

TX-5/5A can be a GREAT solution for a WIDE variety of uses- both mobile and stationary. It's often the best alternative for situations which may not be as suitable for microwave frequencies (i.e. 2.4GHz or 5.8GHz). Microwave transmitter or receiver are in motion or used around people or animals. *900MHz also provides better barrier penetration and ability for movement than higher frequency devices.

434 megahertz is also a great alternative to using 2.4GHz in conditions where other 2.4GHz equipment is (or even could be) operating in close relative proximity to either transmitter or receiver- or anywhere in between. This type of interference may include wireless LAN networking, 2.4 gig cordless telephones, alternate video transmission, microwave ovens and other sources.

It must be noted that, even though a quality 434MHz unit has a number of potential advantages over other wireless video frequencies, any wireless video- even if incredible- is certainly not 'magic'. There should always be a careful analysis of all known factors and a preparedness for certain types of potential problems which can never be fully realized until trial. 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:

- General CCTV video and security purposes where installing hardwired connection is not feasible or possible
- Mobile and bodyworn portable videography including use at wedding receptions, in nightclubs, etc.
- Unmanned aerial vehicle (UAV) and R/C (radio controlled) vehicle applications including robotics

Variations / Alternate Equipment to Consider:

PLEASE CONSIDER the #TX-9100 and #TX-9500, which only slightly larger but feature more power and more reliable signal as they are designed to be used with matched receivers.

Cautions:

This is a non-weatherproof transmitter, and as such- must be treated with extra care and NEVER left outdoors without the proper protective housings.

Do NOT smother this or any other electronic device into an area where generated heat is not allowed to escape or be dissipated.

Because this unit has no built-in 'reverse polarity protection' circuitry, it MUST be powered PROPERLY and ONLY to guarantee SAFE operation.

Reception range 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.

This type of wireless equipment is typically more suited for CCTV camera and security applications, rather than with consumer entertainment-type devices.

As an audio-capable device, user must accept full responsibility for legal use within federal (and state or local if applicable) existing laws.

TX-5A Technical Specifications

RF Frequency Range	434 MHz
RF Output Power	100 mW (milliwatts)
# Channels	1
Modulation Method	AM (amplitude modulated)
Signal Stability Control	SAW resonator controlled
Standard Antenna	tuned 434 MHz flexible whip antenna
BEST Line-of-Sight Range	approx. 1000 ft. with CATV-ready television
Antenna Input Plug	N/A
Input Voltage	9 ~ 15 volts DC center pin + positive
Power Consumption (milliamps)	140 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?	yes, one (1) channel mono audio
Audio Input Type	line level
Audio Input Plug	RCA (easily adapts to BNC)
Dimensions	1.0" x 0.7" x 0.2" / 25mm x 18mm x 5mm
Weight	0.3oz. / 8.5g
Standard Antenna Length	6.5" / 165mm
Warranty	one year
*Additional Features	use with CATV reception band on most standard televisions (channel 59), includes free BAT-1 mobile "AA" battery pack, free ACC-6R regulated AC/DC wall transformer, versatile power requirements
*Options	video-only unit available (TX-5)