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Web site: www.hamtv.com



R/C, ROCKETS, BALLOONS, PORTABLE ATV



Hard Hat Cam
Videolynx & LB1000



R/C Aircraft
Videolynx or TXA5-RCb
& BC-20 camera.

See application notes
on our web page 3.

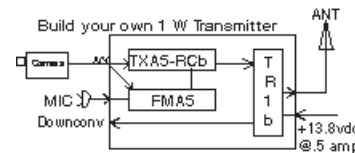


R/C Humvee by N8QPJ. Has
pan & tilt camera on top.

420-450 MHz Band



Rocket
ATV



Build your own 1 Watt Transmitter
Application Notes
included with purchase
or down load from our
web site page 3.



**BC-20 Sub-Mini
Color Camera**
with lens & PS
1.0 x .75 sq., 1oz
9 to 12 Vdc
Only.....\$79

**LB1000 Mini
Color Camera**
With built-in mic,
6mm lens & PS
Only.....\$99



2oz,
1.4x1.1"
RCA A/V
jacks

DX is farther on the 420-450 MHz band than any higher band. It's the first band available for ATV applications and may be received on cable channels 57-60. For home use, using DSFO-25 ATV antennas at both ends snow free line of sight is 27 miles with 1 Watt. R/C vehicles using a TXA5-RCb from a dipole in the vehicle to a ground plane at the receive site is almost 2 miles line of sight (Videolynx 434, Z70A or TXA5-70S for 1/2 mile) and 4 miles using a OAL 5L-70cm small beam. Snowy pictures are readable to over 15 miles. Balloons can be seen and tracked with a beam all the way up to 100,000 ft until the balloon bursts. See ATV DX Variables application note.

Build your own 1 watt portable ATV transmitter by packaging in one of the die cast aluminum boxes for public service events, RACES, etc. Use any camcorder or video camera like the mini **LB1000** Color Camera: CMOS 420 lines, 3 lux, line audio, 8 to 14 Vdc @ 50 mA, w/12vregPS...\$99

TXA5-RCb 1 Watt ATV Transmitter Board comes stuffed, soldered and tested ready for you to package...\$139

Ask for our R/C Application note when you order the transmitter board and R/C receiver low pass filter parts at no charge. Designed primarily for Radio Control models, Rockets, Balloons, etc. with it's small 1.8x3.5 inch size and 2 oz. weight. Adjustable power output from 1.5 p.e.p. to 100 mW. Draws 350 MA @ 13.8 Vdc at 1 Watt, 200 ma at 100 mW, runs on 11 to 14Vdc. Has adjustable sync stretcher and provisions for sound from the FMA5-F board (see pg 2) in case your application needs higher power or subcarrier sound.



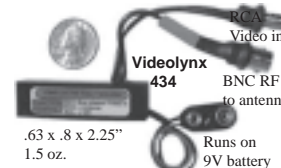
TXA5-RCb board, 1.8 x 3.5", ≥1Watt, Video
only, Sound added with FMA5 board-see pg 2

Comes soldered and tested ready for you to mount in a shielded enclosure, connect up coax from antenna, and wires to camera and power source. Plan on shielding your R/C receiver and adding the simple antenna low pass filter supplied with the application note. The R/C app note also has info on packaging in the Eagle 4591 box and antennas. App note for portable construction in a Hammond 1590C box included. Receive best with the TVC-4G on page 3 and a TV set or cable ready TV on cable ch 57-60. One crystal included specify frequency: 426.25 MHz suggested for R/C, but we stock: 427.25, 434.0 and 439.25 MHz. Additional crystals \$20

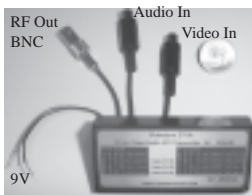
FMA5-G - Add 4.5 MHz subcarrier sound with the FMA5 board, see page 2.....\$59
Also see RTX70-1 packaged unit on page 6.

Videolynx 434 Mini ATV Transmitter, video only, .63x.8x2.25", 1.5 oz. 9Vdc@ 40ma.....\$99

50-100 mW on 433.97 MHz, perfect for demo's, small R/C vehicles up to 1/2 mile, short links to 5 miles, kites and hat cams - application note included, runs off of 9V alkaline batteries with LB1000 camera.



ID and GPS
overlay on
R/C aircraft
Lat/Lon,
Heading,
Speed, Time
Altitude and
Call letters -
OSD(GPS)
See Pg 7.



Z70A TX with sound..\$149

Videolynx Z70A 4ch ATV TX with Sound

Now you can plug in both the line audio and video from the LB1000 color camera and have sound and video from your hat cam. Digi-switch select 439.25, 434.0, 427.25 or 426.25 MHz as well as internal video and audio test generator. 50-100 mW RF out, .75x1.5x3.25", 4 oz., 9V@250ma.- two 9V alkalines in parallel suggested.

ACCESSORIES:

100 Ohm carbon panel pot for video gain control.....\$5
TR-1b RF T/R relay module, mounts on UG58 chassis N conn...\$29
UG58 type N female flange mount chassis jack, teflon/silver.....\$4
UG21 type N male plug for 9913 and RG8 size coax, teflon/silver.\$5
TVC-4G 70cm Downconverter (see page 3)\$99
1000 pF Feed-thru Cap for R/C or repeater builders.....\$4
RG174 50 Ohm 1/10 inch dia. coax cable for connections, 6ft....\$3

ANTENNAS:

DIAMOND RH3 2m/70cm omni miniduck ant., BNC, 1.75".....\$32
DIAMOND RH519 2m/70cm omni antenna, BNC, 8.2"....\$32
DIAMOND RH77CA 2m/70cm omni antenna, BNC, 15"....\$32
DIAMOND RH951 2m/70/23cm omni antenna, BNC, 15".....\$55
DIAMOND NR-770H 2m/70cm mobile ant., SO-239, 3/5.5 dBd..\$59
DIAMOND MX-72N 2m/70cm antenna duplexer.....\$55
OAL 5L-70cm 8 dBd Yagi ant., 31" boom, >60 deg. BW.....\$75
OAL 7CP-70cm 10 dBdc circular polarized beam, 36" boom....\$145
OAL LITTLE WHEEL horizontal omni antenna, 14" dia.....\$55