



BTX - 8W Analog Video - Audio - Data Transmitter

TECHNICAL SPECIFICATIONS

RF Characteristics

Frequency Bands	2.4 GHz or 5.8 GHz (Licensed) L, S, C Band (Unlicensed)
Frequency Selection	Full Band Channelized or up to 16 fixed channels
Frequency Stability	±5 ppm
Sensitivity	-90 dBm
RF Input impedance	50 Ohm Nominal, VSWR 2:1 Maximum

Video & Audio Characteristics

Modulation Type	Analog FM
Video Standard	NTSC, PAL or SECAM
Video Input Impedance	75 Ohm Nominal
Audio Input Level	3 Vpp (Max)
Audio Input Impedance	10 kOhm (typical)

Mechanical

Material	CNC Machined T6061-T6 Aluminum
Finish	Nickel Plated or Gold Iridite
Dimensions	86x81,5x17 mm
Weight	135 gr
RF Output Connector	SMA Female

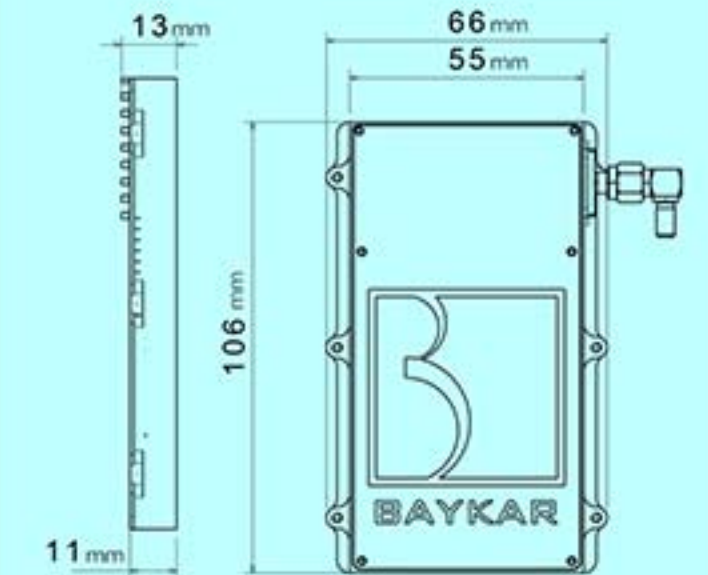
Power

Input Voltage	8V to 20 Vdc Reverse Polarity Protected
Current Draw (Typical at 12V)	500mA for 1 W 700 mA for 2W 1600 mA for 5W

Environmental

Temperature (Operating)	-20°C to +60°C
Humidity	Up to 95%

Physical Dimensions



BTX-8W Transmitter

PRODUCT OVERVIEW

BTX-8W is an analog video, audio and data transmitter with remotely and locally selectable RF output power levels from 100 milliwatts up to 8 watts for optimized battery management and longer range. BTX-8W may be configured to operate with fixed or adjustable output power levels. The channel frequencies may also be fixed or user-selectable.

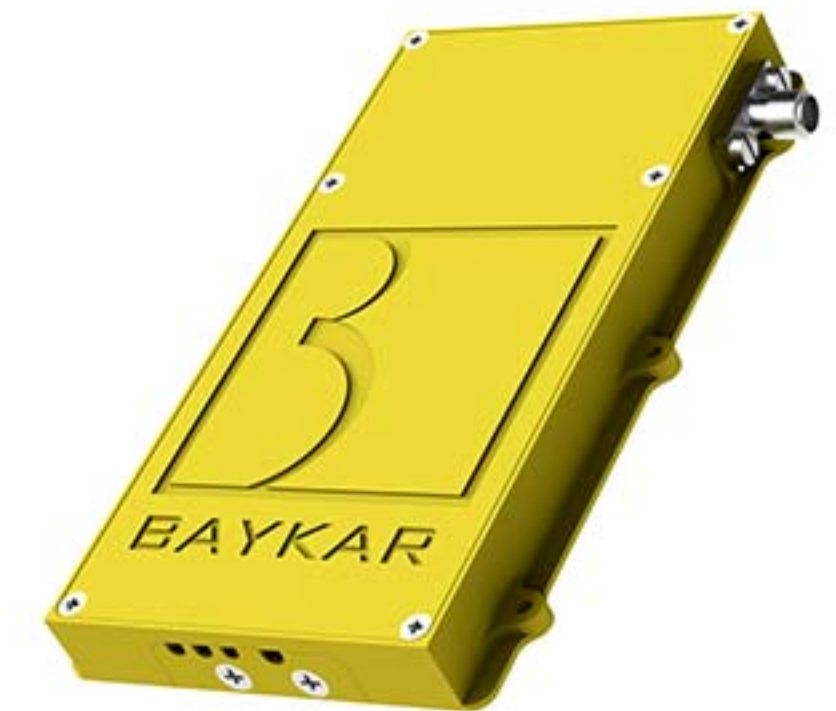
BTX-8W is designed for harsh environments. It is ideal for law enforcement, surveillance, and other applications that require efficient, high quality video/audio/data transmission in a compact, rugged package. BTX-8W has been used with mini UAVs for years with a proven, operational track record.

Applications

- Real-Time Video Surveillance
- Law Enforcement
- UAVs and UGVs
- Covert wireless video and audio link
- FPV Applications

ADVANCED FEATURES

- Fixed or Remotely Adjustable Output Power (100 mW to 8 W)
- High Output Power (Up to 8 Watts)
- Excellent Power Added Efficiency (typical 33%)
- Transmission of analog audio and video over distances up to 32 km (20 mi)
- Unlicensed operation at 2.4 GHz and 5.8 GHz for commercial applications
- Licensed operation in L, S and C Bands at factory preset or user-customizable frequencies
- Full Frequency Band Channelization
- On-the-fly Channel Switching
- NTSC, PAL or SECAM Video Format Input
- Stereo Audio Input
- Extremely Compact and Rugged Package (106x66x13 mm)
- Weight < 130 gr
- Proven track record (These transmitters have been used in Baykar Makina's mini UAVs for years)



Ordering Guide

BTX-8W	8 Watt max output power
BTX-5W	5 Watt max output power
BTX-2W	2 Watt max output power
BTX-1W	1 Watt max output power
BTX-0.5W	0.5 Watt max output power
BTX-0.1W	0.1 Watt max output power

Additional power levels and operating frequencies are available. Please contact Baykar Makina for your specific requirement.