



# BRX - 24 Analog Video - Audio - Data Receiver



BRX-24 Receiver

## PRODUCT OVERVIEW

BRX is an analog video, audio and data receiver, fully compatible with Baykar's BTX-8W transmitters. Received channel frequencies may be fixed or user-selectable.

BRX receivers are designed for harsh environments and are ideal for law enforcement, surveillance, and other applications requiring high sensitivity video/audio/data in a compact, rugged package. BRX 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

## ADVANCED FEATURES

- Complete FM video/audio receiver system
- No latency reception
- Excellent sensitivity (typical -90 dBm)
- Reception of analog audio and video over distances up to 32 km (20 mi) when used in conjunction with Baykar BTX-8W
- 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
- Remote control via RS232 channel
- Crystal clear video output independent of the Video Format (NTSC, PAL or SECAM)
- Stereo Audio Output
- Extremely Compact and Rugged Package (86x81,5x17mm)
- Weight 135 gr
- Proven track record (BRX receivers have been in use in Baykar Makina's miniUAVs for years)

## TECHNICAL SPECIFICATIONS

### RF Characteristics

|                     |  |
|---------------------|--|
| Frequency Bands     | 2.4 GHz or 5.8 GHz (Licensed)<br>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 Output Impedance        | 75 Ohm Nominal                          |
| Video Output Level            | 1 Vpp (typical)                         |
| Video SNR                     | 40 dB (typical)                         |
| Audio Output Level            | 3 Vpp (Max)                             |
| Audio Output Impedance        | 10 kOhm (typical)                       |
| Audio SNR                     | 50 dB (typical)                         |
| Audio Frequency Response      | 50 Hz to 15 kHz (typical)               |
| Input Voltage                 | 8V to 20 Vdc Reverse Polarity Protected |
| Current Draw (Typical at 12V) | 200 mA (typical)                        |

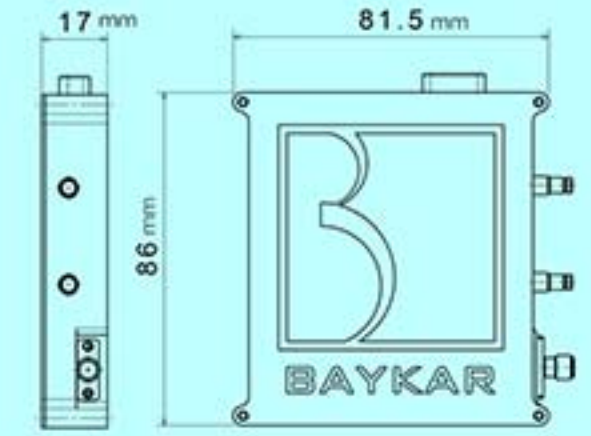
### Mechanical

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

### Environmental

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

### Physical Dimensions



### Ordering Guide

BRX-24 Receiver with standart 8 channels in ISM band Additional operating frequencies are available Please contact Baykar Makina for your specific requirement.