



Unlock the Power of ATSC 3.0 with BitPath's easy-to-use Development Kit

- BitPath's Development Kit is designed for both developers and application end-users to tap into the power of ATSC 3.0 rolling out across the U.S.
- The kit serves as a user-friendly gateway to innovative Positioning, Navigation, and Timing (PNT) services and beyond.

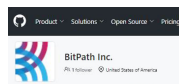
Turnkey Solution

- **Configurable Settings:** The kit can quickly be setup and deployed to operate in any launched BitPath market.
- **Easy Integration:** Seamlessly integrate with your applications using a Redis-based publish-subscribe system.
- **Flexible Use Cases:** From PNT services to datacasting, the kit is versatile enough for a range of applications.
- **Open-Source Parser:** Access to our GitHub for customization, offering you more control over your projects.



TV Broadcast Tower
(ATSC 3.0 Transmitter)

Data Stream
→
ATSC 3.0
Broadcast Signal



BitPath Development Kit
and Application Stack



Key Features

Use Cases

- Autonomous vehicle navigation
- Drone Delivery
- Precision Agriculture
- Public Safety
- Industrial IoT

Developer Kit Contents

- Raspberry Pi (Model 4B)
- Sony ATSC Tuner
- u-blox F9 GNSS Module
- u-blox GPS Antenna
- 12V Power Cable
- Complete Software Libraries and Drivers
- Quick Start Guide

User Provided

- ATSC Antenna
- 12V Wall Adapter (optional)
- LTE dongle (optional)
- USB-ethernet adapter (optional)

Development Kit Specs

- Mechanical: 232.4 mm x 140 mm x 51.2mm
- CPU: Quad-Core ARM Processor
- Memory: 4 GB SDRAM
- Storage: microSD
- USB (external): 2x USB 2.0, serial debug port (via microUSB)
- Antenna Connectors: ATSC; GPS
- Power Inputs: 12V DC; 5V DC (backup)

Technical Support

- 48-Hour Response Time via email or phone
- 6-Month Warranty on hardware components
- Comprehensive assistance for software-related issues via our GitHub page

