

# FEATURE DESCRIPTIONS

## XIUM

XIUM, Kobiton's trimmed down Appium server, is able to run scripted tests 3x faster than traditional Appium tests. XIUM's speed capabilities decrease start and execution times and is capable of running tests in parallel.

Because XIUM is built using Appium's open-source server (minus the code bloat) and uses traditional Appium endpoints, making the switch to XIUM is seamless without the need to mess with existing Appium scripts already in place.

## 30 Frames Per Second

Kobiton's 30fps provides clear video streaming on the Kobiton Portal, eliminating the choppiness you've come to expect from streaming video from a device online.

## Scriptless Automation

Test your app flow across multiple devices from ONE manual test created on the Kobiton portal or download a fully functioning Appium script to run anywhere you want. Kobiton's Scriptless Automation truly allows you to walk through the functionality of your app and test it across multiple devices without writing a single line of code.

## Device Inspector

Kobiton's built-in tree inspector captures an app's elements in real time and allows you to inspect elements, search, access xPaths / attributes / labels, and provides the option to download inventory to inspect locally.

## Virtual USB

virtualUSB allows iOS and Android devices to simulate a local connection on a Mac through various tools and IDE's with direct connections for Xcode, Instruments, and supports most ADB commands. This allows developers to use specific devices in debug mode. It's as if your device were physically connected to your local machine.

## NOVA Validations

NOVA enables manual testers to automate tests without writing a single line of code and assists automation testers by maintaining flakey scripts we've come to expect with testing tools on the market. Through a model that is meant to learn as it goes, NOVA's remediation abilities focus on four key mobile app testing: text, visual, performance, and accessibility:

- Text: Identifies text differences
- Visual: Ensures that visual elements are identical from one device and OS to another
- Performance: Catches performance differences to ensure that the app performs the same across the board. For example, if there is a difference in the time a page loads,

Performance Validations will point that out.

Accessibility: With a focus on color contrast and touch targets, Kobiton's accessibility assertions help identify poor color contrasts, say dark blue text on a dark purple background, as well as determine if an area on the screen is big enough for a standard finger size to interact with and select without overlapping with other touch targets.

## FlexCorrect

Aimed at eliminating "Element Not Found" errors, flexCorrect identifies when a script is unable to detect the stated identifier and will select the next best technical identifier, allowing the test to keep running. Powered by our NOVA smart engine, flexCorrect learns and captures the data necessary to identify elements in your app with higher accuracy.

## Mixed Sessions

With Mixed Sessions, a tester can run an automated test script and then launch the device the script was run on to view the test in real-time. This gives you insight into what your test is testing, what it comes across and even allows for minor interactions, i.g., approving a pop-up during the testing sequence.