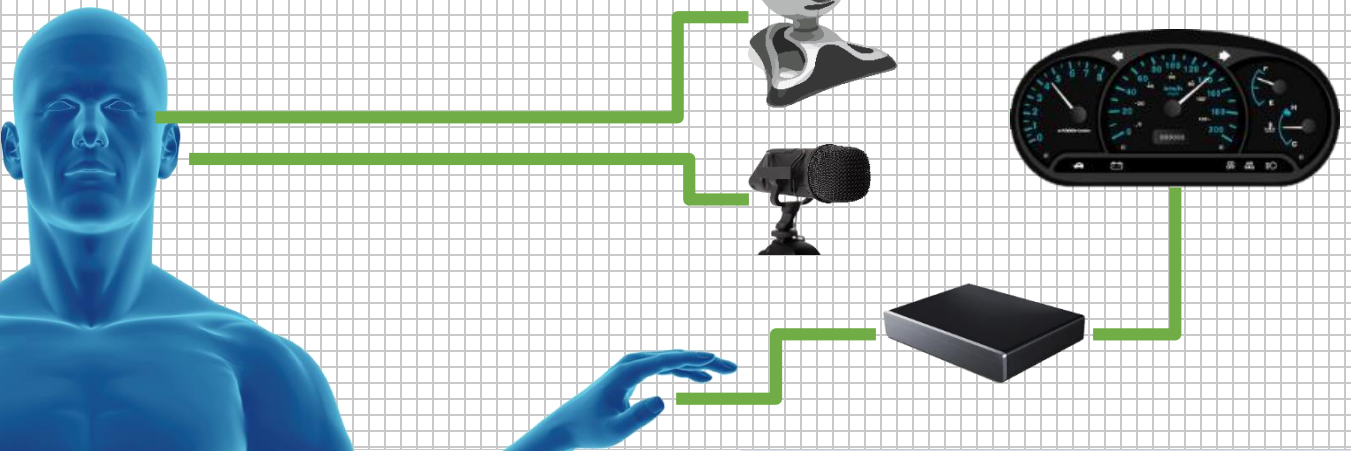# AWS TEST ROBOT (ATR)

ATR is a Test Automation Platform that provides accurate results, comprehensive test reports, and complete test result evidence, at a rate faster than human testers.

Ubicom Holdings, Inc.

AWS

Complex verification made easy

WHAT WE CAN DO FOR YOU

- ### AUTOMATE IMAGE, SOUND, AND VIDEO RECOGNITION

  Whether thru our pre-trained models on the artificial neural networks, or custom model for your needs, image, sound and video verification is made easier for you.

- ### TEST CASE CREATION THRU EASY SCRIPTING

  Scripting is made easier thru keyword- and data-driven approach. It supports familiar operations such as drag-and-drop and copy-and-paste.

- ### SUPPORT DIFFERENT DEVICE TYPES ACROSS INDUSTRIES

  The platform can be used to test Instrument Cluster Panels, Infotainment Systems, Medical Equipment, Office Machines

Without a doubt, quality assurance is one of the most important and essential process in the development of a product.

However, with an increasing number of competitors, quick changes in market trends, and more visible customer feedbacks, it is important that product developers are able to keep up with the pace when rolling out their products, at the same time maintaining good quality in each and every release.

Through the ATR, we can help you optimize your test speed and coverage. Save effort by increasing the speed of your testing through its various automation features, from test case creation, execution, and result and evidence recording. Ensure consistent quality by automating items in your regression tests, and ensuring consistent execution of those prior to every release.

Leverage test automation now.

USE CASES

INSTRUMENT CLUSTER

INFOTAINMENT SYSTEM

OFFICE MACHINES

With native support for analog meter reading, ATR can be used to test instrument panel clusters. ATR can also:

- Send CAN commands
- Send digital signals to simulate hardware switches

ATR can be used to control and test infotainment systems by:

- Simulating touch and hardware keys through device driver
- Sending voice commands to system and listening for sounds
- Controlling mobile devices that are paired with the system

For machines such as multifunction printers and even some medical devices, ATR can:

- Control hardware keys using digital signals sent over PCI
- Verify printed materials (customization needed)

FUNCTION SPECIFICATIONS

IMAGE RECOGNITION	Single Object	Multiple Objects
Resolution	1920 x 1080 (Full HD)	1280 x 720 (HD)
Color Depth	24-bit (True Color)	24-bit (True Color)
Speed	15 fps	30 fps
Object Detection Count	1 object per frame	Up to 100 objects per frame (up to 300 in theory)
OPTICAL CHARACTER RECOGNITION (OCR)		
Languages	English, Japanese[1]	
SOUND RECOGNITION		
Supported sound types	Beep/Buzzer, Melody	
Sound Length Range	0.25 seconds to 10 seconds	
Frequency Range	20 Hz to 20000 Hz	
SUPPORTED INTERFACES	MEDIUM	
CAN/LIN	CANoe	
Linux Commands	Serial (tty)	
Digital/Analog Signals	PCI / PCI express	

TALK TO US NOW:

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