

# RDK-Google IPSTB profile stack on Amlogic reference board

## Introduction

RDK-V IP Client is a IP based Client Set-Top-Box (STB) with RDK 4.0 features which connects directly with Network Gateways. Targets on Accelerator platforms and utilizes only open-sourced RDK components.  
IPSTB profile is being able to build RDK without any RDK Licensed components.

## Chip Information

AH212 S905X4:

| Item           | S905X4                            |
|----------------|-----------------------------------|
| CPU            | Quad-core ARM Cortex-A55          |
| GPU            | ARM Mali-G31 MP2                  |
| Memory         | 32-bit DDR3/4/3L, LPDDR3/4        |
| Video decoding | AV1/H.265/VP9/AVS2-P2 to 4k@60fps |
| Video Encoding | H.265/JPEG to 1080p@60fps         |
| HDMI-TX        | 4k60hz                            |
| AV output      | CVBS                              |
| Ethernet       | 10M/100M/1000M                    |
| IP License     | Dolby Audio/DTS/Dolby Vision      |
| Demux          | Support                           |

## Youtube Certification Flow:

## Hardware Requirements:

<https://wiki.rdkcentral.com/pages/viewpage.action?pageId=222364853>

## Generic Links:

[https://github.com/youtube/cobalt/blob/master/starboard/doc/evergreen/cobalt\\_evergreen\\_overview.md](https://github.com/youtube/cobalt/blob/master/starboard/doc/evergreen/cobalt_evergreen_overview.md)

## Reference Device Purchase Link:

<https://rdklogic.tv/>

## Build Steps for Reference Device:

Please follow the sub-pages for AML starboard and RDK Starboard.

- [AML Starboard](#)
- [Device Automation Bus on RDK-V](#)
- [Hardware/Software Requirements:](#)
- [RDK CommonPort](#)

