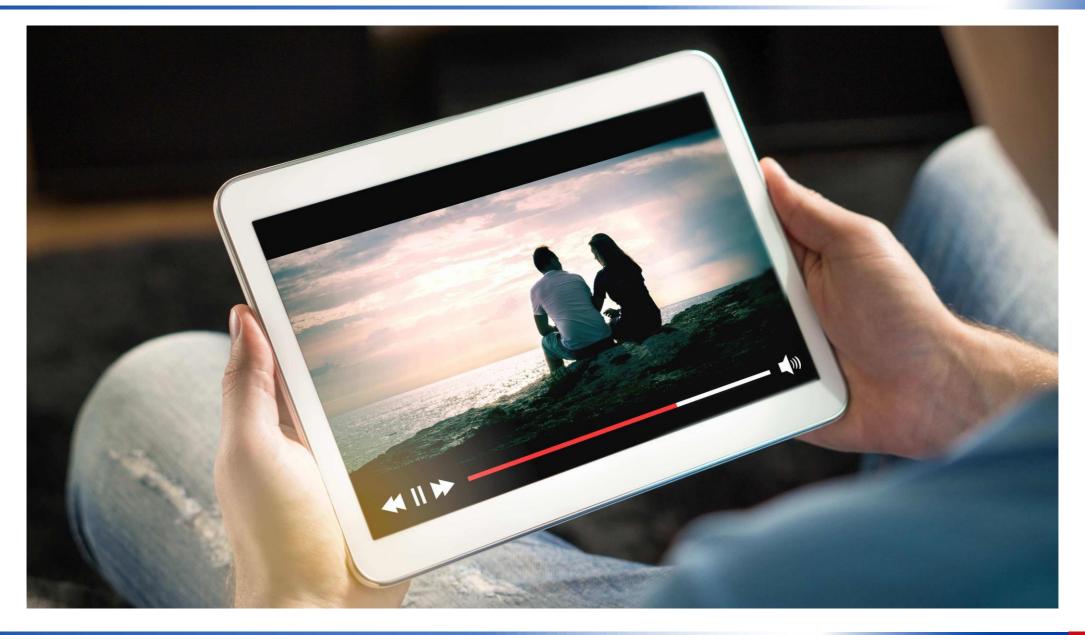
Which device do you watch your videos on?

SONY



付带項目 CONFIDENTIAL

秘

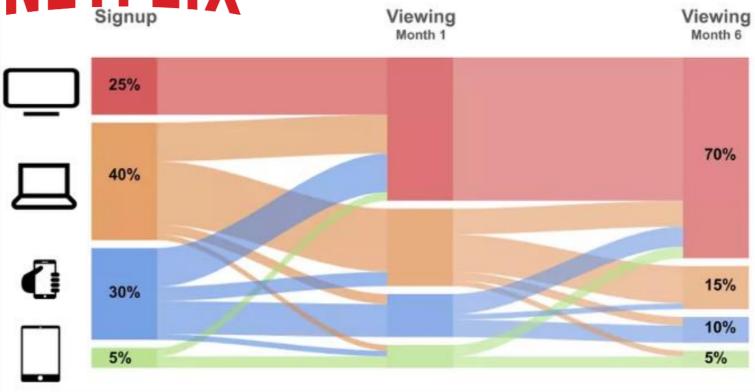
CONFIDENTIAL

付帯項目

2

You can watch VoD on any screen, but eventually the Big Screen is where you'd prefer NETFLIX

*TV = The Big Screen



Source: https://www.vox.com/2018/3/7/17094610/netflix-70-percent-tv-viewing-statistics

SONY

Designing for the BiG Screen

User Experience Department

Leon Mun, PhD. Head of Department

10th Oct 2019





SONY EMCS (Malaysia) SDN. BHD.



SONY @ Bangi

R&D and Manufacturing



- Completed Dec 2017
- Storeys + Roof Top
- * **1,200** members
- Total floor area : 19,068m2

Roof Top	: Café & utility	
4 th Floor	: MD office, Corporate, Procurement Biz. Control & SCM, conference rooms	
3 rd Floor	: Software & SQA	
2 nd Floor	: Electrical & Product Planning	
1 st Floor	: Panel, Mechanical, QA & Service	
Ground Floor	· Lobby canteen interview/meeting room	

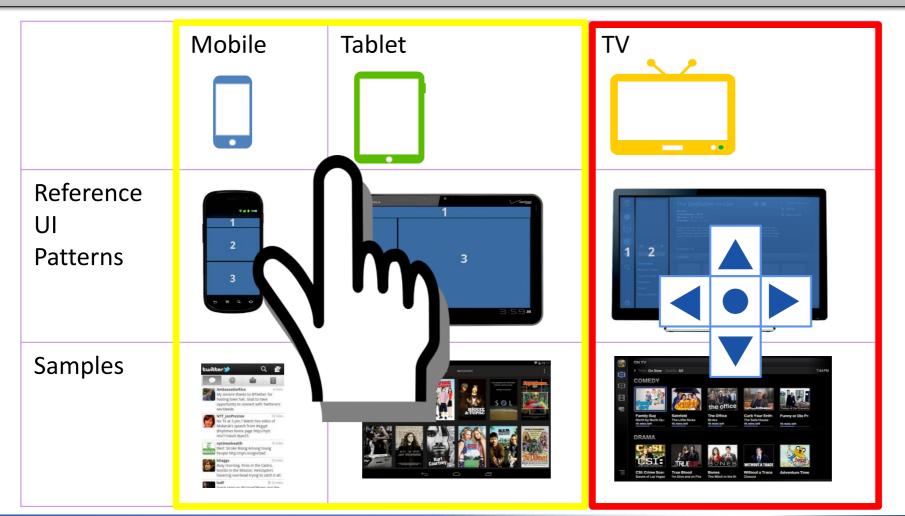
Ground Floor : Lobby, canteen, interview/meeting rooms & QA chamber



	Basic User Design	Advanced porting
App Designer	From existing Android mobile Apps change navigation for Android TV	Utilize Android-TV only features
Examples	mobile to TV1. Touch to Dpad2. Vertical to horizontal layout3. Google TV Play Store	share by ChromeCastvoice Search, launch, like, rate, fav by VoiceImage: share
Benefits/ Challenges	 Quick porting. But poor UX due to as-is from Mobile. 	 Greatly improves the BIG screen experience. P.A.I promo is strong encouragement for bizcase. Need dedicated dev effort – not useful for mobile app

Basic Porting

Current application on Android TV platform is ported from the touch screen experience into the D-Pad







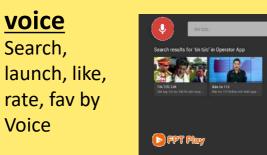
Full remote functionality

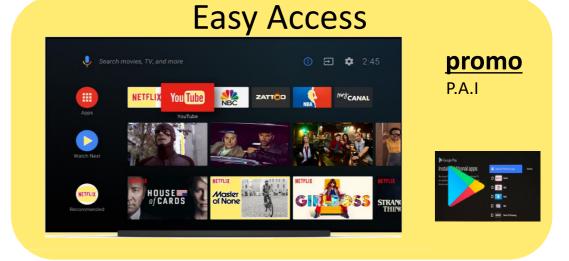




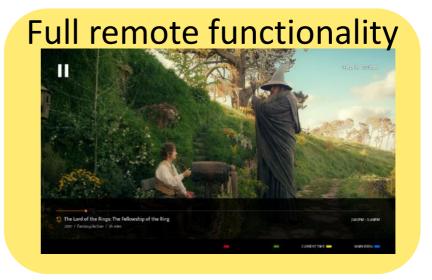
Voice Search support

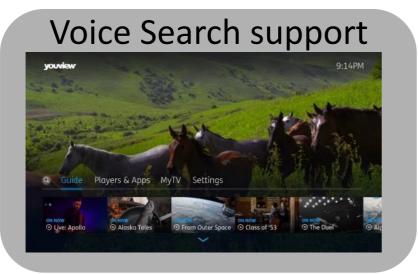














Benefit to customer: Full Remote Functionality

Typical OTT app port to Android TV only utilize 47% of remote controller buttons

Only support basic operation in App

Example of customer pain points:

Switching category



Need to return back to **main screen** to change category

Switching content



Difficult to navigate to prev/next contents

Switching channel



Switching channel while in live streaming is **not smooth / buggy**



SONY

NETFLIX

SONY

Stress free experience for customer

by supporting more remote buttons

Switching category





Easy to switch between categories with shortcut keys

Switching content





Easy to go to next contents with NEXT / PREV key





Smooth channel switching in live streaming SONY

NETFLIX

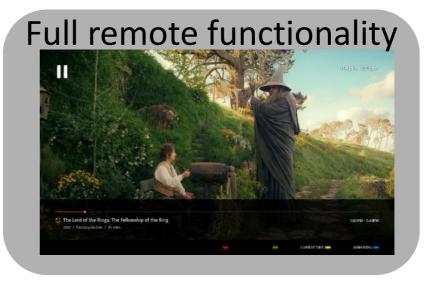
SONY

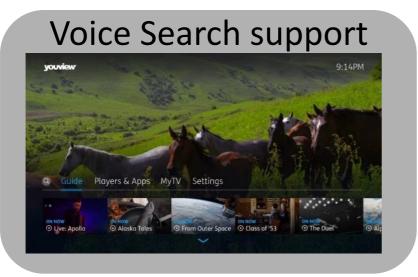
付帯項目

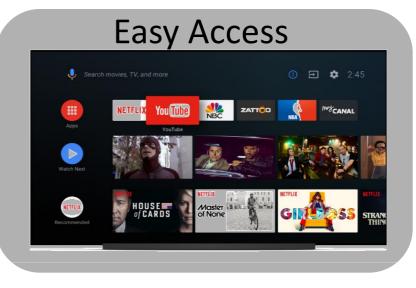










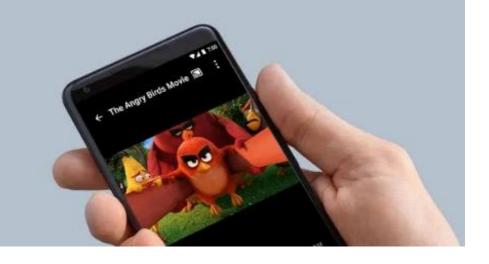


Chromecast

SONY



Discover on Mobile, Watch on TV...





秘

CONFIDENTIAL

付帯項目

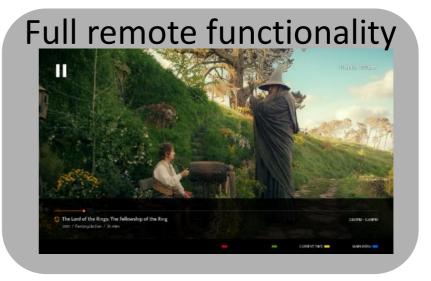
14

... shared playlist queue, shared control.



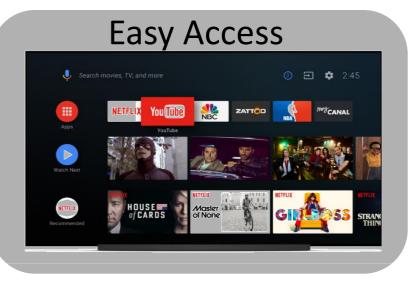
You Tube Second screen experience is already well established with Chrome Cast. pandora Refer to YouTube App for what can be done. COMED Google Pla All Android TVs has Chrome cast Built-In nick hulu NETFLIX Cutton 5 The Lord of the Rings: The Fellowship of the Ring. iHear 2001 / Fantasy/Action / sh 48m CURRENT TIME





Voice Search support





SONY



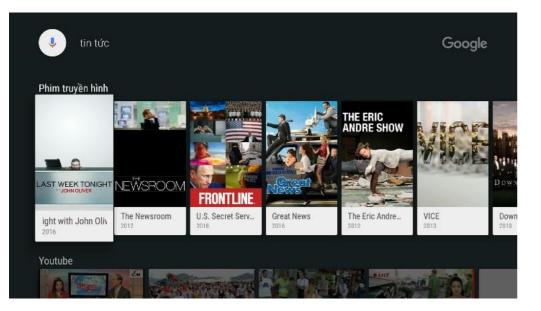
秘

CONFIDENTIAL

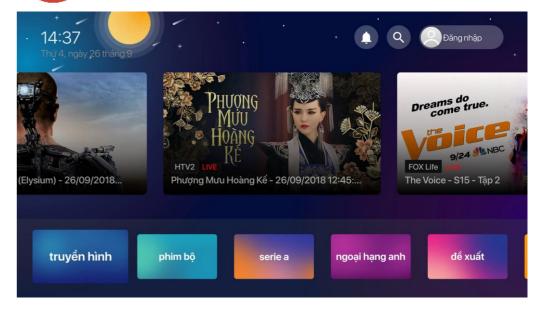
付帯項目

Easily Search for contents using Voice Search









16

秘

CONFIDENTIAL

Voice Search

Voice search uses the built-in voice recognition engine to **convert speech to text**.



Google Assistant

<page-header><page-header><image><image><image><complex-block><complex-block><complex-block><complex-block>

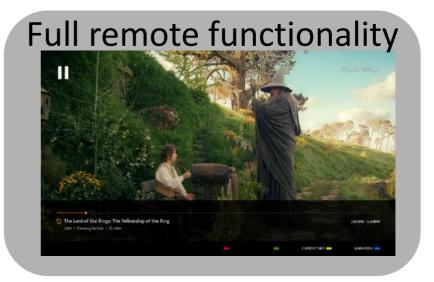
17

付帯項目

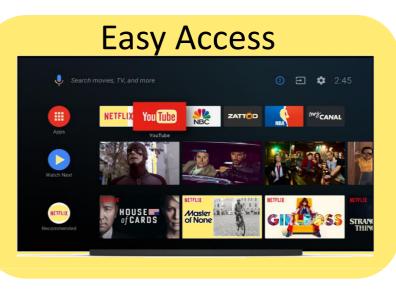
The Google Assistant is an **artificial intelligence-powered virtual assistant** developed by Google that is primarily available on mobile and smart home devices, such as Sony Android TVs.

Did you know? When it is used in your app, it returns search results within your app first and then other sources.

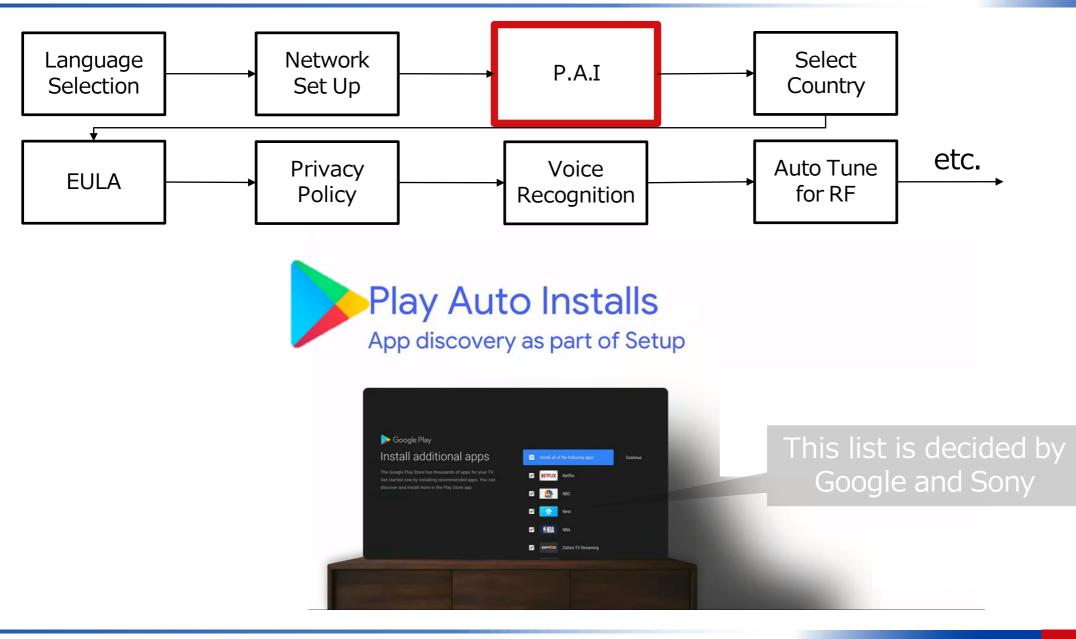








P.A.I – Play Auto Install

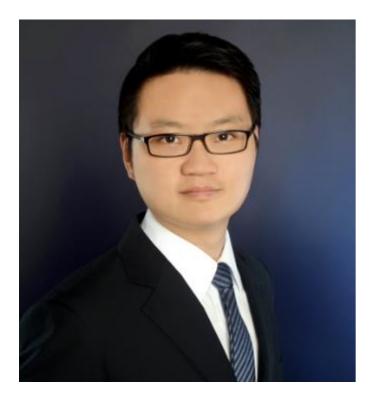


19 | 付帯項目 <mark>秘</mark> CONFIDENTIAL

Speaker details

SONY

Leon Mun Email : <u>waiyuen.mun@sony.com</u> Whatsapp : +60172235550





SONYはソニー株式会社の登録商標または商標です

各ソニー製品の商品名・サービス名はソニー株式会社またはグループ各社の登録商標または商標です。その他の製品および会社名は、各社の商号、登録商標または商標です。

秘 CONFIDENTIAL