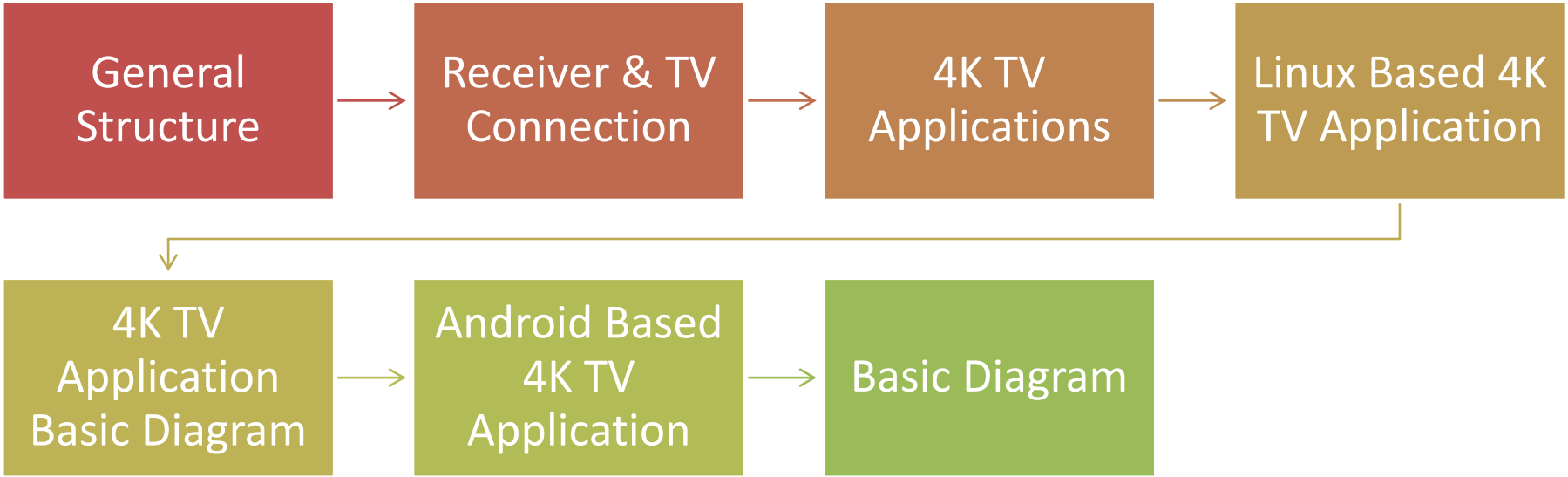
Internet of Radio Light
4K TV

Furkan Cömert
furkan.comert@arcelik.com
Arcelik A.Ş.

© 2020 IoRL consortium. All rights reserved

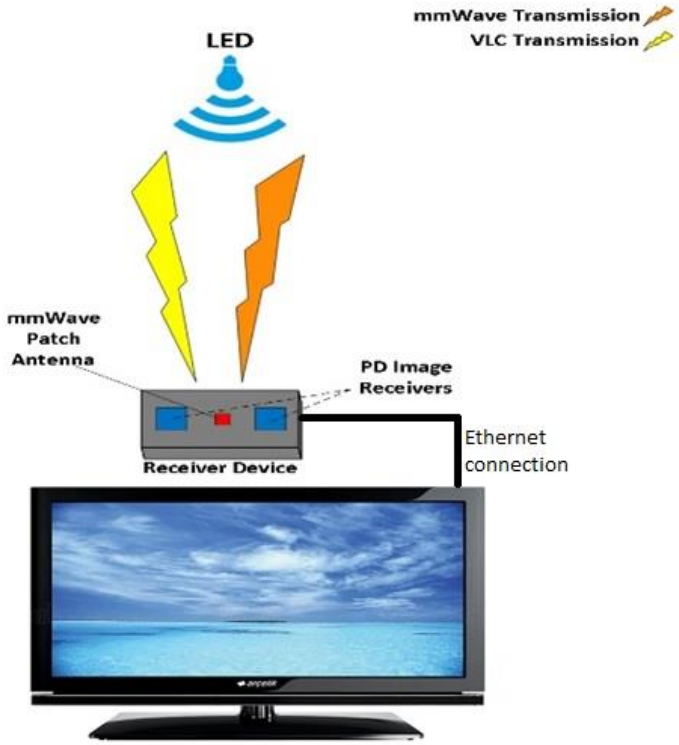
AGENDA



© 2020 IoRL consortium. All rights reserved

GENERAL STRUCTURE

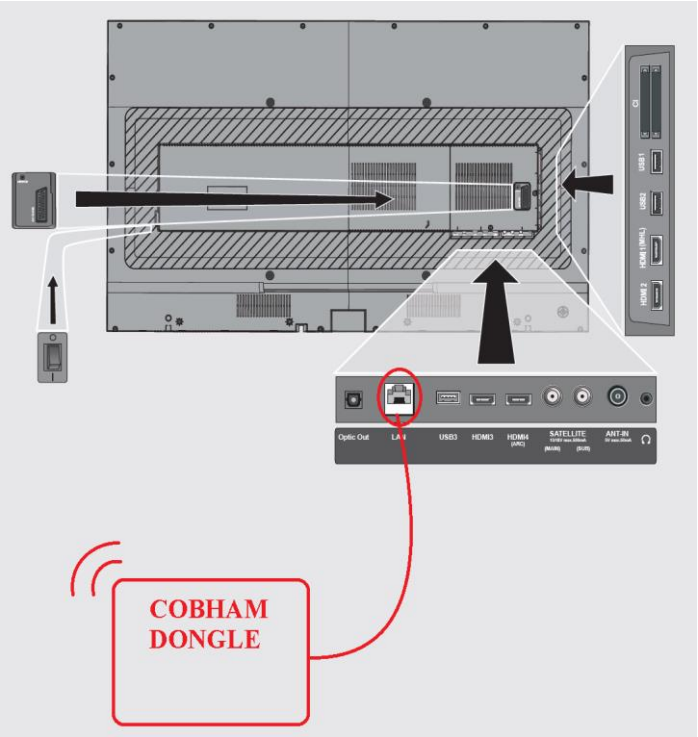
- ❑ mmWave Transmission
- ❑ VLC Transmission
- ❑ Receiver Device
- ❑ Ethernet Connection
- ❑ Streaming



© 2020 IoRL consortium. All rights reserved

Receiver & TV Connection

- Arçelik TV will communicate to Cobham through Ethernet LAN connection.
- The LAN connector is hidden behind the TV.



© 2020 IoRL consortium. All rights reserved

4k TV Applications

- Linux based TV Application
  - Streaming
- Android based TV Application
  - Multi-Streaming
  - PIP

© 2020 IoRL consortium. All rights reserved

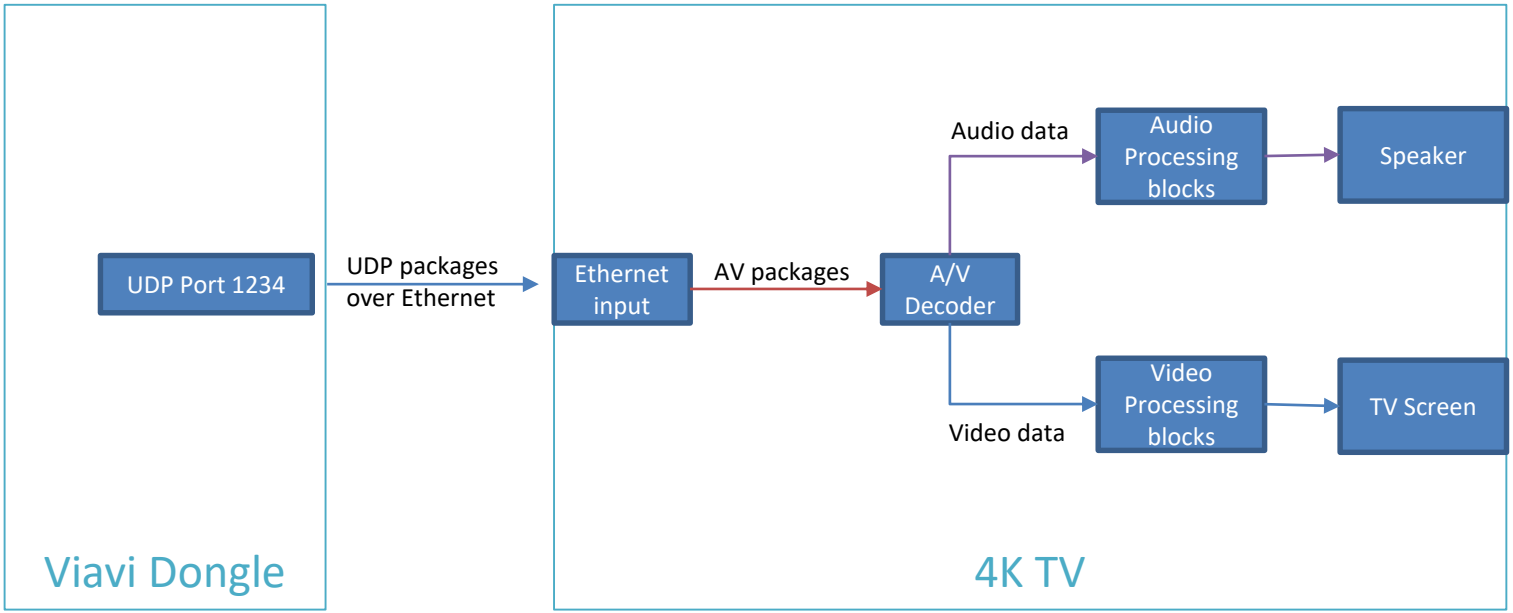
Linux Based 4K TV Application

- Video streaming

Main Window

© 2020 IoRL consortium. All rights reserved

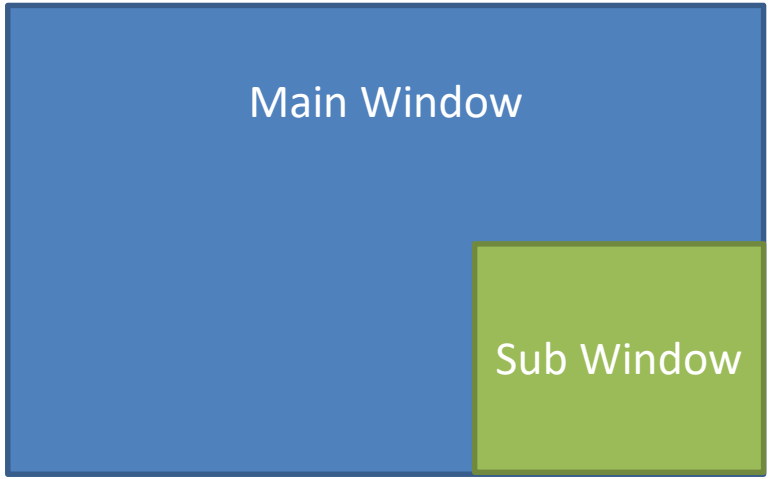
4K TV Application Basic Diagram



© 2020 IoRL consortium. All rights reserved

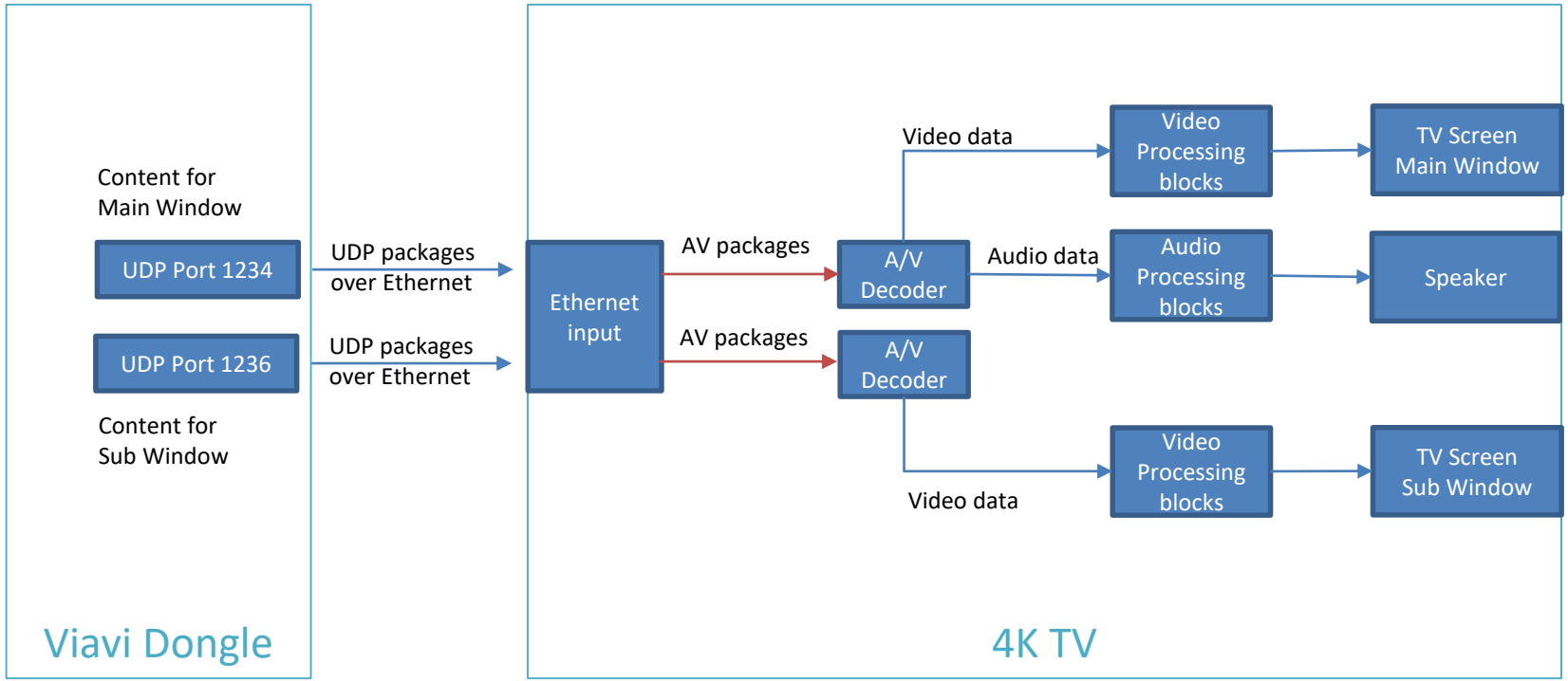
Android Based 4K TV Application

- Picture in Picture



© 2020 IoRL consortium. All rights reserved

Basic Diagram



© 2020 IoRL consortium. All rights reserved

Thank you for your Attention

< furkan.comert@arcelik.com> and IoRL-contact@5g-ppp.eu https://iorl.5g-ppp.eu/

© 2020 IoRL consortium. All rights reserved