

DxB and System Beyond: Convergence with RFID and IPTV Technology

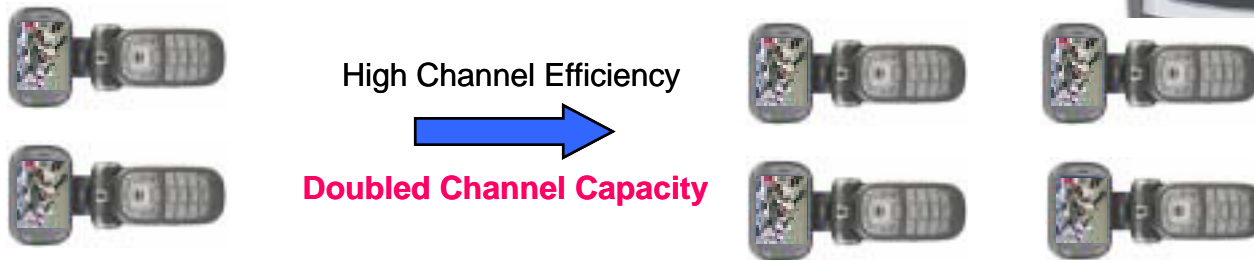
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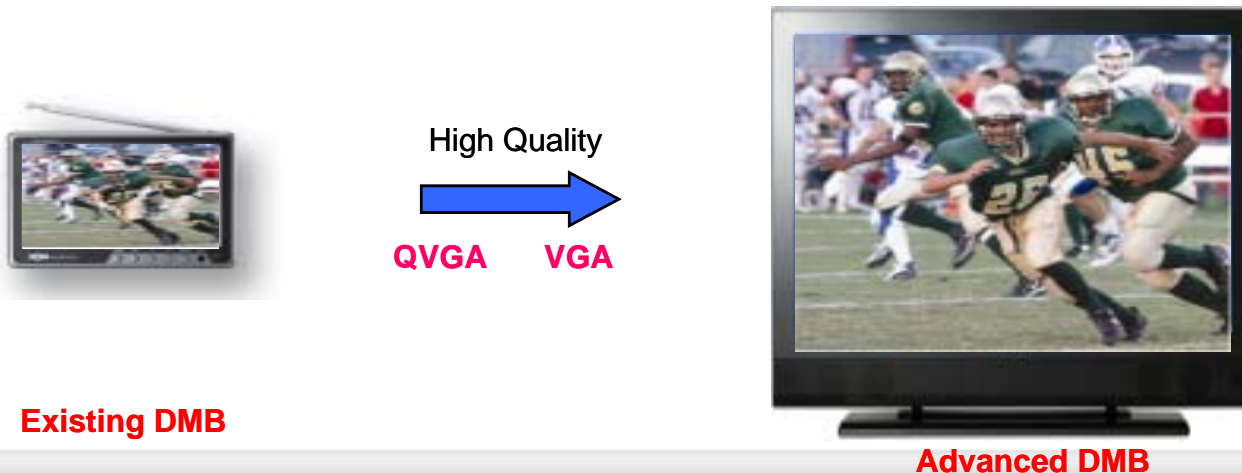
DxB and System

- ✓ Successful launch of DAB/DMB

Multi-channel Quality is required



SD Video & 5.1 Channel Audio Service of DMB



Convergence with RFID and IPTV Technology

- Ted Jeong and et.al, "Viewers Identification and Authentication in IPTV using RFID Techniques," *IEEE Transactions on Consumer Electronics*," Feb, 2007.
- RFID reader developed connects serially with IPTV STB (Set-Top Box) for authentication of viewer and subscription by identifying viewer tag wirelessly

Interconnection with IPTV

- Simple passwords is no more the best solution.
- Viewer can identify himself using his tag.
- Our system can be connected to any STB which has RS-232 serial port.
- By Programming the STB for the RFID device,
 - specific menus and applications can be installed.
 - Using the user interface and database option available in IPTV

Kindly Connect the Identification Device

Make sure device is properly connected
and Switched ON.

Data Will be available after Viewer
Authentication

Viewer Identified

Loading your Personal Settings and
Menus

Please Wait

Favourite Channels

History

Parental Control

Video on Demand

Shopping

Pay Per View

Personal Videos

Profile Settings



2h:10m To ShutDown
Parental Control Set by Father
Viewer: Nancy (Child)

Channels Allowed: 2
No Transaction allowed
Videos - No

Possible Research Topics

Areas

- DRM+, DVB-T2
- Next generation IPTV
- Technology with a new application – HW+SW combined for Future Consumer Market

Collaborators

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