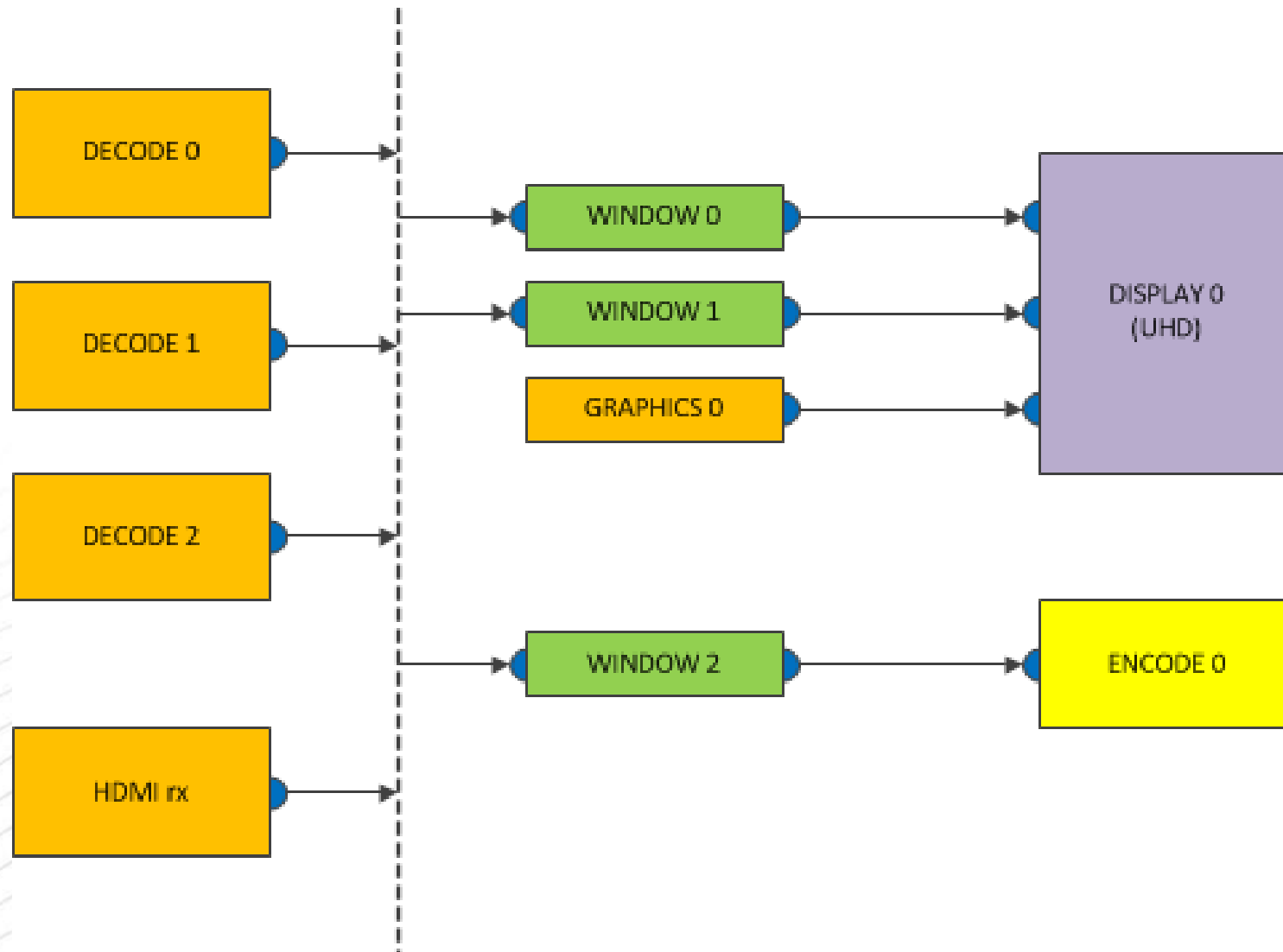# BOX MODE #15

7445

BOX MODE #15 – SUMMARY

- **Required memory speed: 3x 32-bit DDR3-2133**
  - No high-temperature refresh

- **Features:**
  - Three decoders: 1080p60 8-bit AVC (progressive only)
  - UHD display only
  - MAIN + PIP supported
  - HDMI input (1080p60/60i)
  - 1080p60 encoding

SOURCE LIMITATIONS

- **For each source, you may toggle between any of the provided options.**
  - Only one option enabled at a given time.

- **Decode 0**
  - 1080p60 8-bit AVC / MPEG
  - Progressive only support

- **Decode 1**
  - 1080p60 8-bit AVC / MPEG
  - Progressive only support

- **Decode 2**
  - 1080p60 8-bit AVC / MPEG
  - Progressive only support

- **HDMI rx**
  - 1080p60/60i

- **Graphics 0 (HD)**
  - 1080p60 32-bit ARGB

HARDWARE RESOURCE MAPPING

- **This box mode has some unique usage requirements. Decoder 0 and Decoder 1 must always be paired together and feed through MFD0 as a mosaic.**
  - Decoder 1 does not have it's own MFD.

Decoder	MFD	Hardware
Decode 0	MFD0	HVD0
Decode 1	MFD0	HVD1
Decode 2	MFD1	HVD2

WINDOW LIMITATIONS

- **Window 0 (MAIN / UHD)**
  - Up to full-screen display (smooth scaling)
  - No de-interlacing support (progressive only)
  - Mosaic mode (Decode 0 + Decode 1)
    - Up to 25% display canvas coverage per window.

- **Window 1 (PIP / UHD)**
  - Up to ½ x ½ display (smooth scaling)
  - No de-interlacing support (progressive only)

- **Window 2 (Encode 0)**
  - Full-screen only
  - 1080i60 8-bit de-interlacing

DISPLAY AND ENCODE LIMITATIONS

- **Display 0 (UHD)**
  - 1920x1080p60

- **Encode 0**
  - 1080p60 8-bit