

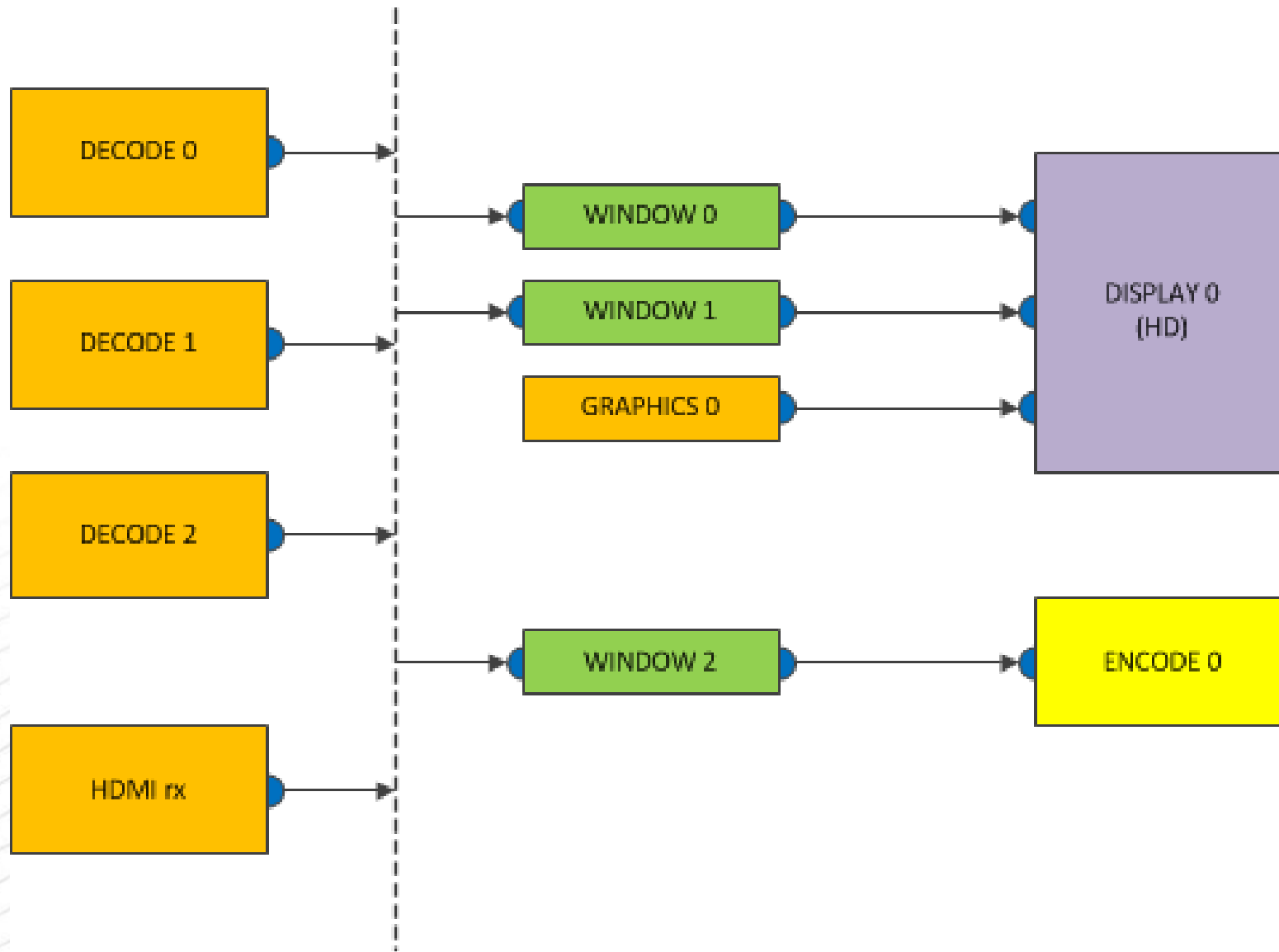
BOX MODE #15

7445



- **Required memory speed: 3x 32-bit DDR3-2133**
 - High-temperature refresh supported
- **Features:**
 - Three decoders: 1080p60 8-bit AVC
 - UHD display only
 - MAIN + PIP supported
 - HDMI input (1080p60/60i)
 - 1080p60 encoding

POSSIBLE VIDEO ROUTINGS



- **For each source, you may toggle between any of the provided options.**
 - Only one option enabled at a given time.
- **Decode 0**
 - 1080p60/60i 8-bit AVC / MPEG
 - Includes support for smaller interlaced and progressive formats such as 480i60 and 720p60
- **Decode 1**
 - 1080p60/60i 8-bit AVC / MPEG
 - Includes support for smaller interlaced and progressive formats such as 480i60 and 720p60
- **Decode 2**
 - 1080p60/60i 8-bit AVC / MPEG
 - Includes support for smaller interlaced and progressive formats such as 480i60 and 720p60
- **HDMI rx**
 - 1080p60/60i
- **Graphics 0 (HD)**
 - 1080p60 32-bit ARGB

- 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 its own MFD.

Decoder	MFD	Hardware
Decode 0	MFD0	HVD0
Decode 1	MFD0 (paired with Decode 0)	HVD1
Decode 2	MFD1	HVD2

- **Window 0 (MAIN / HD)**

- Up to full-screen display (smooth scaling)
- 1080i60 de-interlacing
- Multi-PIP mode (2x) with Decode 0 + Decode 1:
 - Up to 25% display canvas coverage per window
 - 480i60 de-interlacing
- Transition between Multi-PIP mode and full-screen requires a shut-down of the display path (window destroy/create equivalent).

- **Window 1 (PIP / HD)**

- Up to full-screen display (smooth scaling)
- 1080i60 de-interlacing

- **Window 2 (Encode 0)**

- Full-screen only
- 1080i60 8-bit de-interlacing

- **Display 0 (HD)**

- 1920x1080p60

- **Encode 0**

- 1080p60 8-bit