

## BOX MODE #2



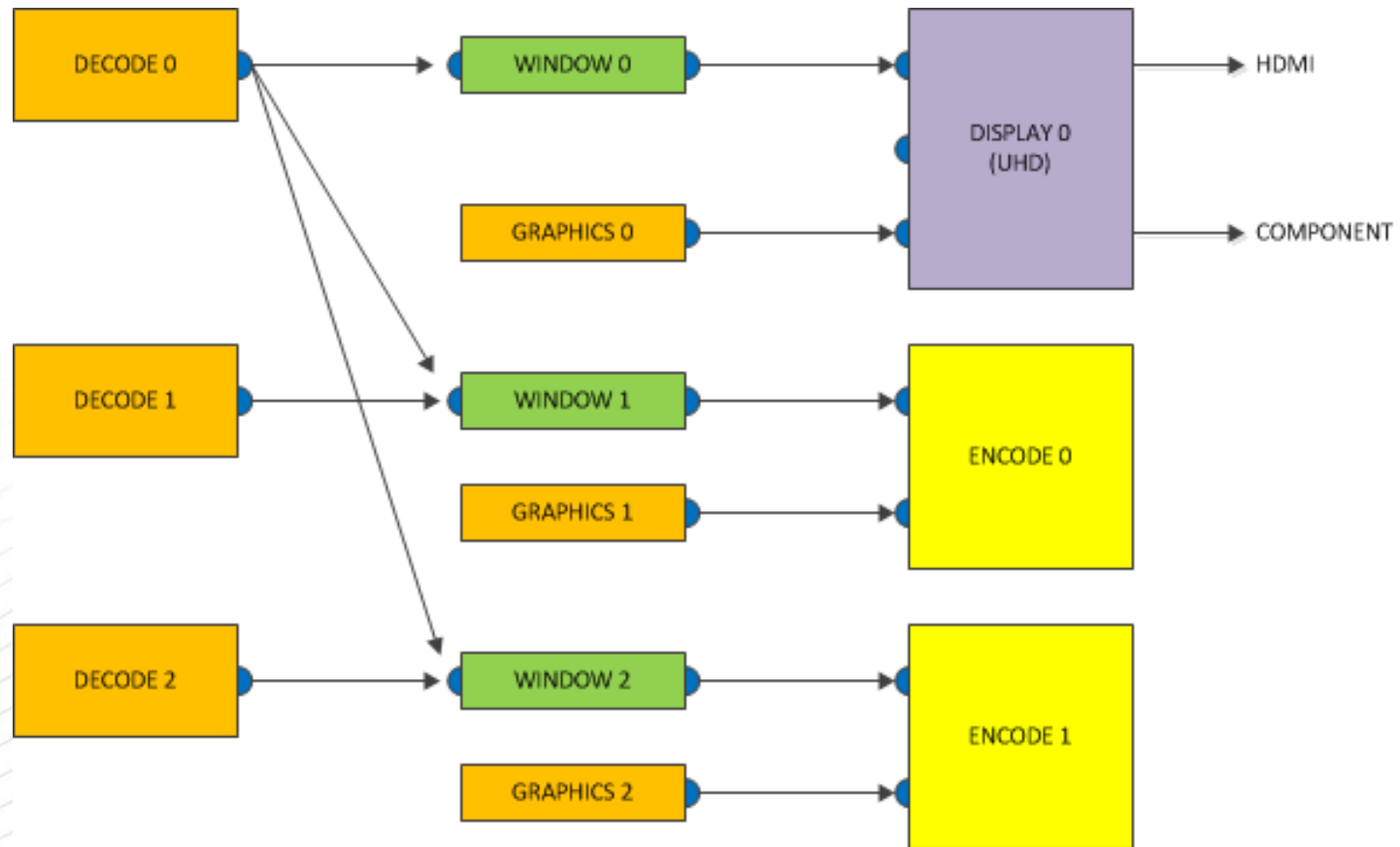
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## BOX MODE #2 – SUMMARY



- **Required memory speed: 2x 32-bit DDR3-2133**
- **Features**
  - Triple 1080p30/60i 8-bit AVC decode / 1080p60 10-bit HEVC decode
  - MAIN (no PIP)
  - UHD output only (no SD)
  - Dual encode to 720p30

# POSSIBLE VIDEO ROUTINGS



# SOURCE LIMITATIONS



- **For each source, you may toggle between any of the provided options.**
  - Only one option enabled at a given time.
- **Decode 0 (MAIN)**
  - 1080p60 10-bit HEVC
  - 1080p30/60i 8-bit AVC
- **Decode 1 (Transcode 0)**
  - 1080p60 10-bit HEVC
  - 1080p30/60i 8-bit AVC
- **Decode 2 (Transcode 1)**
  - 1080p60 10-bit HEVC
  - 1080p30/60i 8-bit AVC
- **Graphics 0 (UHD)**
  - 1080p60 32-bit ARGB
- **Graphics 1 (Transcode 0)**
  - 720p60 32-bit ARGB
- **Graphics 2 (Transcode 1)**
  - 720p60 32-bit ARGB

# WINDOW LIMITATIONS



- **Window 0 (MAIN)**

- Up to full-screen display
- 10-bit support
- 1080i60 10-bit de-interlacing

- **Window 1 (Transcode 0)**

- Size of final encode
- 480i60 8-bit de-interlacing

- **Window 2 (Transcode 1)**

- Size of final encode
- 480i60 8-bit de-interlacing



# DISPLAY AND ENCODE LIMITATIONS



## ■ Display 0 (UHD)

- 3840x2160p60 12-bit 4:2:0 (HDMI)
- 3840x2160p60 12-bit 4:2:2 (HDMI)
- 3840x2160p60 8-bit 4:4:4 (HDMI)
- 1920x1080p60 (component)
- Only one display format at a time
  - If you want 1080p60 component, HDMI also needs to be 1080p60.

## ■ Encode 0

- 720p30 8-bit AVC

## ■ Encode 1

- 720p30 8-bit AVC