

# BOX MODE #1



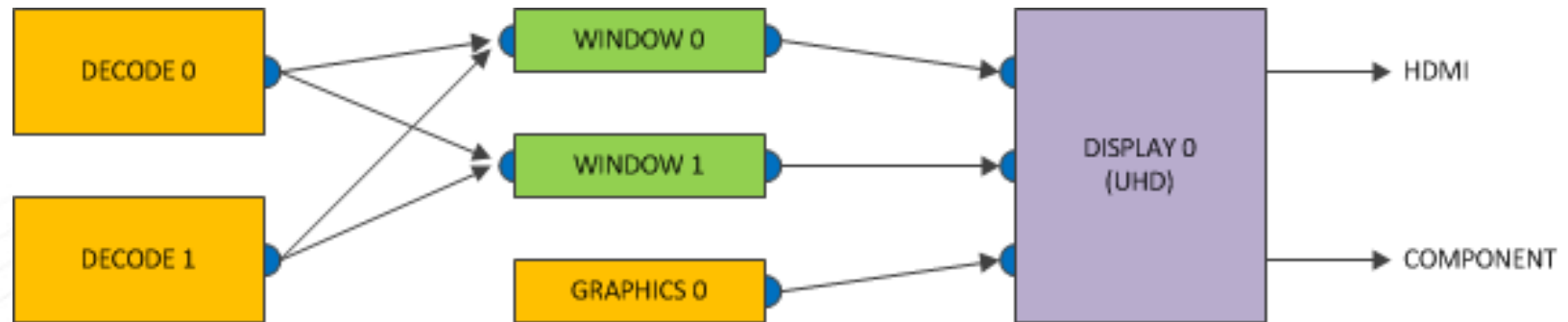
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# BOX MODE #1 – SUMMARY



- **Required memory speed: 1x 16-bit DDR3-2133**
- **Features**
  - 1080p30/60i 8-bit AVC / 10-bit HEVC main decode
  - 1080p30/60i 8-bit AVC / 10-bit HEVC PIP decode
  - MAIN + PIP to UHD display (through up-scaling)
  - No SD display
  - No transcode

# 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)**
  - 1080p30/60i 8-bit AVC
  - 1080p30/60i 10-bit HEVC
- **Decode 1 (PIP)**
  - 1080p30/60i 8-bit AVC
  - 1080p30/60i 10-bit HEVC
- **Graphics 0 (UHD)**
  - 1080p60 32-bit ARGB

# WINDOW LIMITATIONS



- **Window 0 (MAIN / UHD)**
  - Up to full-screen display
  - 1080i60 8-bit de-interlacing
- **Window 1 (PIP / UHD)**
  - Up to  $\frac{1}{2} \times \frac{1}{2}$  full-screen display
  - 8-bit support

# DISPLAY AND ENCODE LIMITATIONS



## ▪ Display 0 (HD)

- 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.