

# Box mode #2

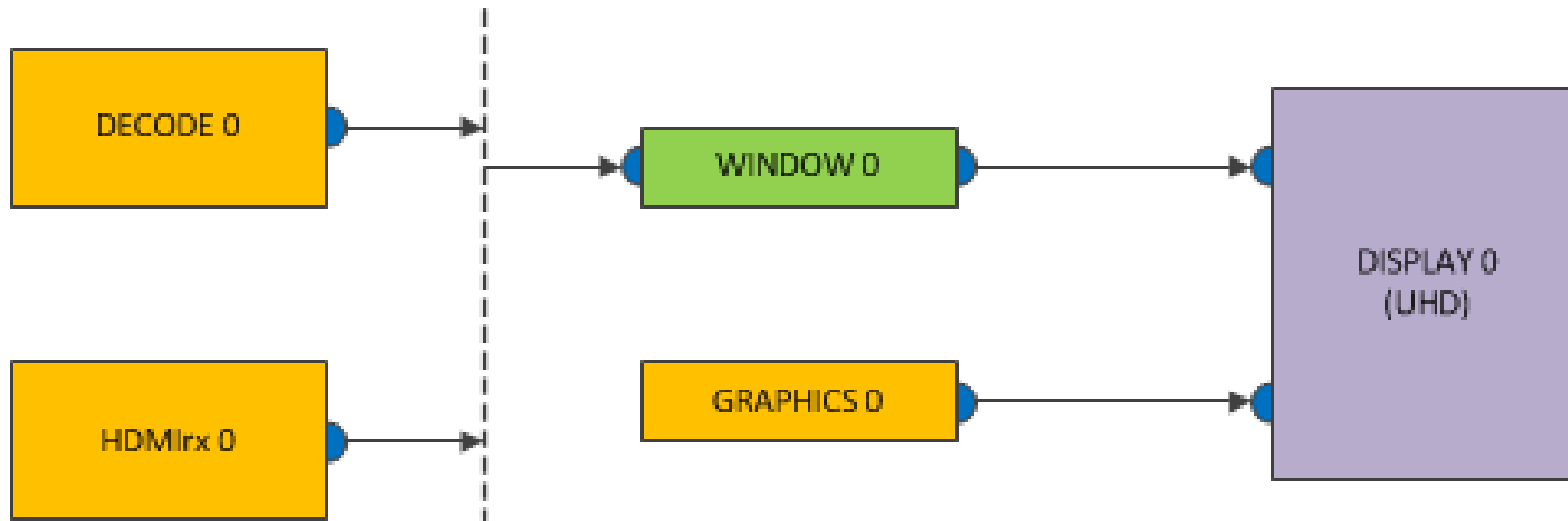
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## Box mode #2

- Required memory speed: 1x 32-bit LPDDR4-3200
  - No high-temperature refresh
- Features:
  - Single 3840x2160p60 10-bit decode
  - MTG and smooth-scaling supported
  - UHD display only (no SD)
  - Main only (no PIP)
  - Multi-PIP support (4+0)
  - HDMI input
  - No transcoding

# 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
  - 3840x2160p60 10-bit HEVC
  - 3840x2160p60 10-bit VP9
  - 1920x1080p60 8-bit AVC / MPEG2
  - Multi-PIP (4x)
    - 1920x1080p30/60i 10-bit HEVC
    - 1920x1080p30/60i 8-bit VP9 / AVC / MPEG2
  - MTG supported
- HDMIrx 0
  - 3840x2160p60
- Graphics 0 (UHD)
  - 1080p60 32-bit ARGB

# HARDWARE RESOURCE MAPPING

Decoder	MFD	Hardware
Decode 0	MFD0	HVD0

# Window limitations

- Window 0 (MAIN / UHD)
  - Up to full-screen display (smooth scaling)
  - 1080i60 de-interlacing
  - Multi-PIP (4x)
    - 25% canvas coverage per mosaic window
    - 480i60 de-interlacing

# Display and encode limitations

- Display 0 (UHD)
  - 3840x2160p60