

Box mode #1

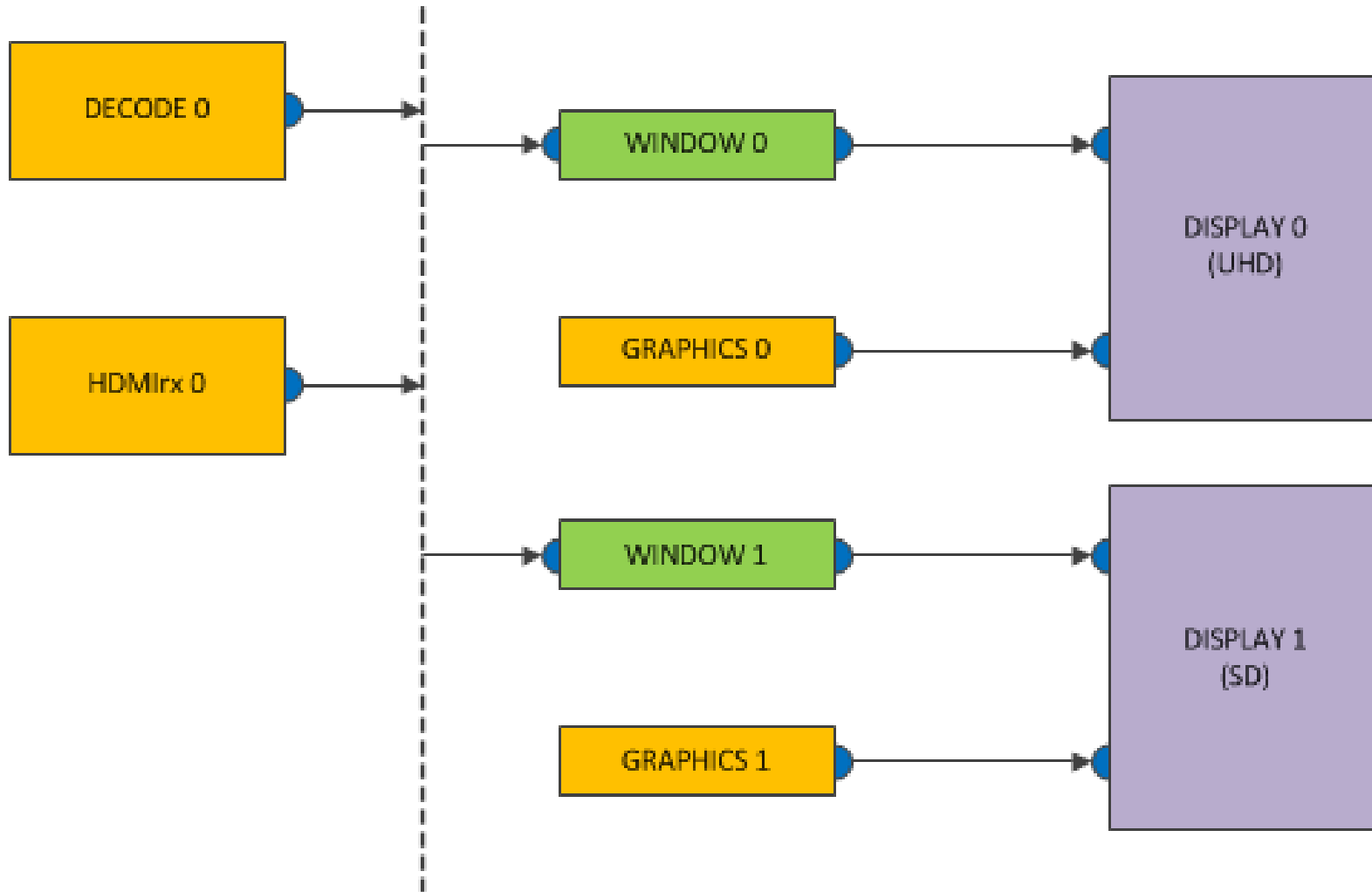
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Box mode #1

- Required memory speed: 1x 32-bit LPDDR4-3200
 - No high-temperature refresh
- Features:
 - Single 3840x2160p60 10-bit decode
 - MTG and smooth scaling supported.
 - UHD + 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
- Graphics 1 (SD)
 - 480p60 32-bit ARGB
 - 576p60 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
- Window 1 (MAIN / SD)
 - Up to full-screen display (smooth scaling)
 - Multi-PIP (4x)
 - 25% canvas coverage per mosaic window

Display and encode limitations

- Display 0 (UHD)
 - 3840x2160p60
- Display 1 (SD)
 - 480i60
 - 576i50