

Box mode #11

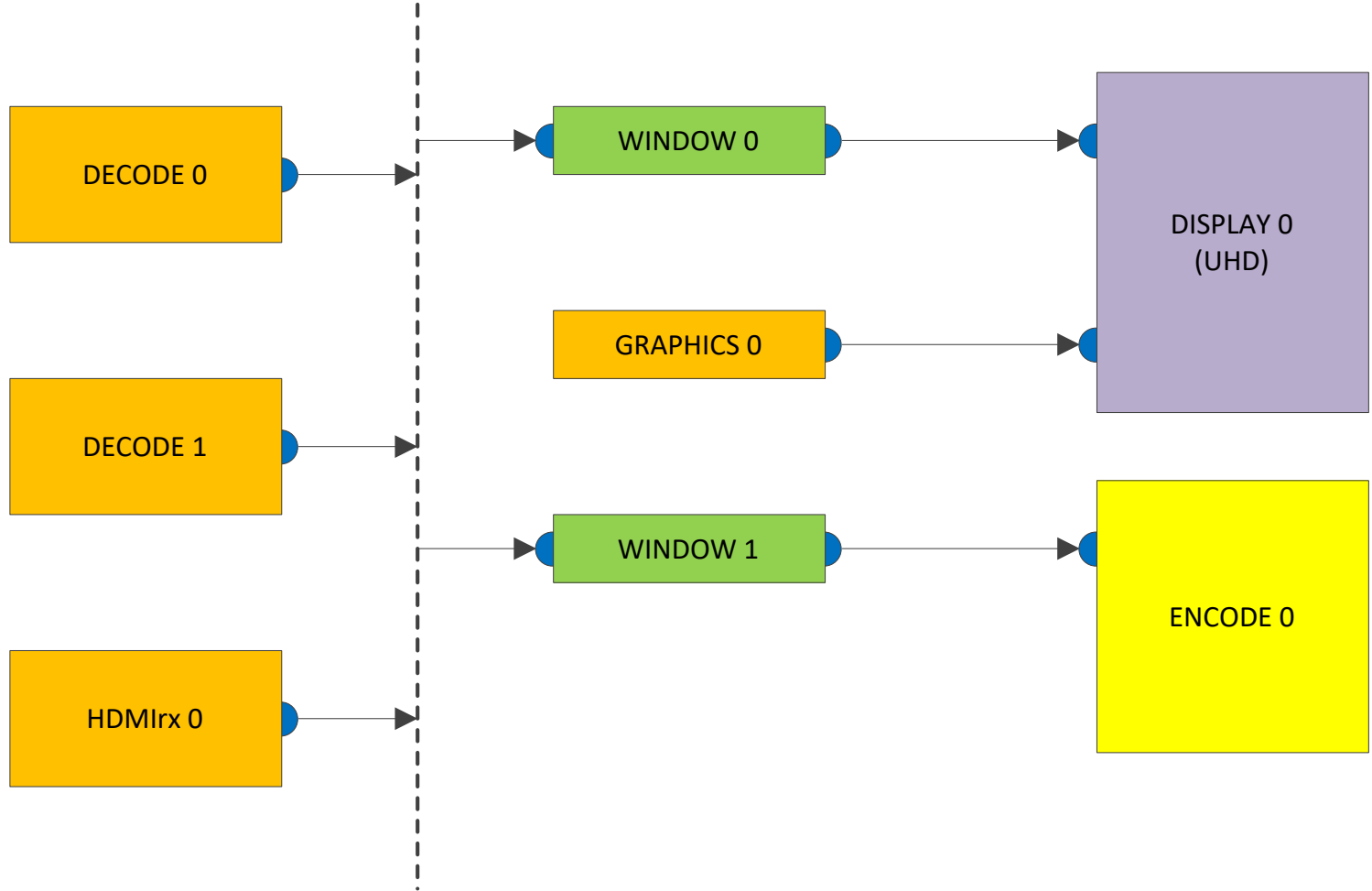
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Box mode #11

- Required memory speed: 1x 32-bit LPDDR4-3733
 - No high-temperature refresh
- Features:
 - Two decoders:
 - One 3840x2160p60 10-bit decoder
 - One 1920x1080p60 10-bit decoder
 - Multi-PIP supported (3+0)
 - UHD display (no SD)
 - Main only (no PIP)
 - HDMI input supported
 - Transcoding to 720p30

Possible video routings



Source limitations

- Decode 0
 - 3840x2160p60 10-bit HEVC / VP9
 - 1920x1080p60 8-bit AVC / MPEG2
 - Multi-PIP (3x)
 - 1920x1080p60/60i 10-bit HEVC / VP9
 - 1920x1080p60/60i 8-bit AVC / MPEG2
 - MTG supported
- Decode 1
 - 1920x1080p60 10-bit HEVC / VP9
 - 1920x1080p60 8-bit AVC / MPEG2
 - MTG supported
- HDMIrx
 - Up to 3840x2160p60
- Graphics 0 (UHD)
 - 1080p60 32-bit ARGB
 - Requires graphics compression

Hardware resource mapping

Decoder	MFD	Hardware
Decode 0	MFD0	HVD0
Decode 1	MFD1	HVD0

Window limitations

- Window 0 (MAIN / UHD)
 - Up to full-screen display (smooth scaling)
 - 1080i60 de-interlacing
 - Multi-PIP (3x)
 - Each display rectangle up to 25% x 25%
 - 480i60 de-interlacing
- Window 1 (MAIN / Encode 0)
 - Full-screen only
 - No de-interlacing

Display and Encode limitations

- Display 0 (UHD)
 - 3840x2160p60
- Encode 0
 - Up to 720p30 8-bit