

Box mode #9

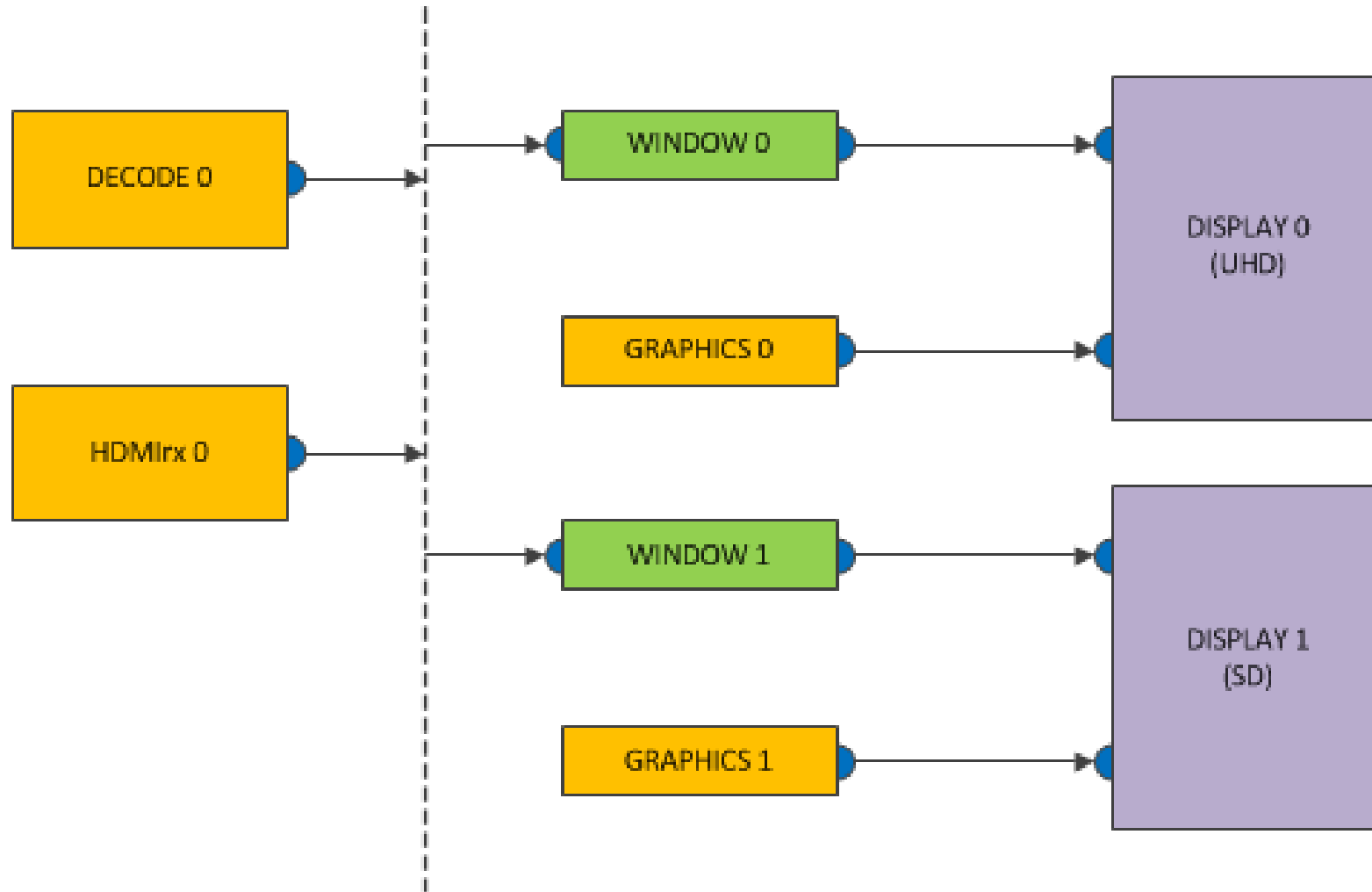
7271



Box mode #9

- Required memory speed: 1x 32-bit LPDDR4-3200
 - High-temperature refresh supported (2x)
- Features:
 - One 3840x2160p60 10-bit decoder
 - Multi-PIP supported (3+0)
 - UHD + SD display
 - Main only (no PIP)
 - HDMI input supported
 - No transcoding

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
- HDMIrx
 - Up to 3840x2160p60
- Graphics 0 (UHD)
 - 1080p60 32-bit ARGB
 - Requires graphics compression
- Graphics 1 (SD)
 - 480p60 or 576p50 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 (3x)
 - Each display rectangle up to 25% x 25%
 - 480i60 de-interlacing
- Window 1 (MAIN / SD)
 - Up to full-screen display (smooth scaling)
 - 1080i60 de-interlacing
 - Multi-PIP (3x):
 - Each display rectangle up to 25% x 25%
 - 480i60 de-interlacing

Display and encode limitations

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