Box mode #9

7268

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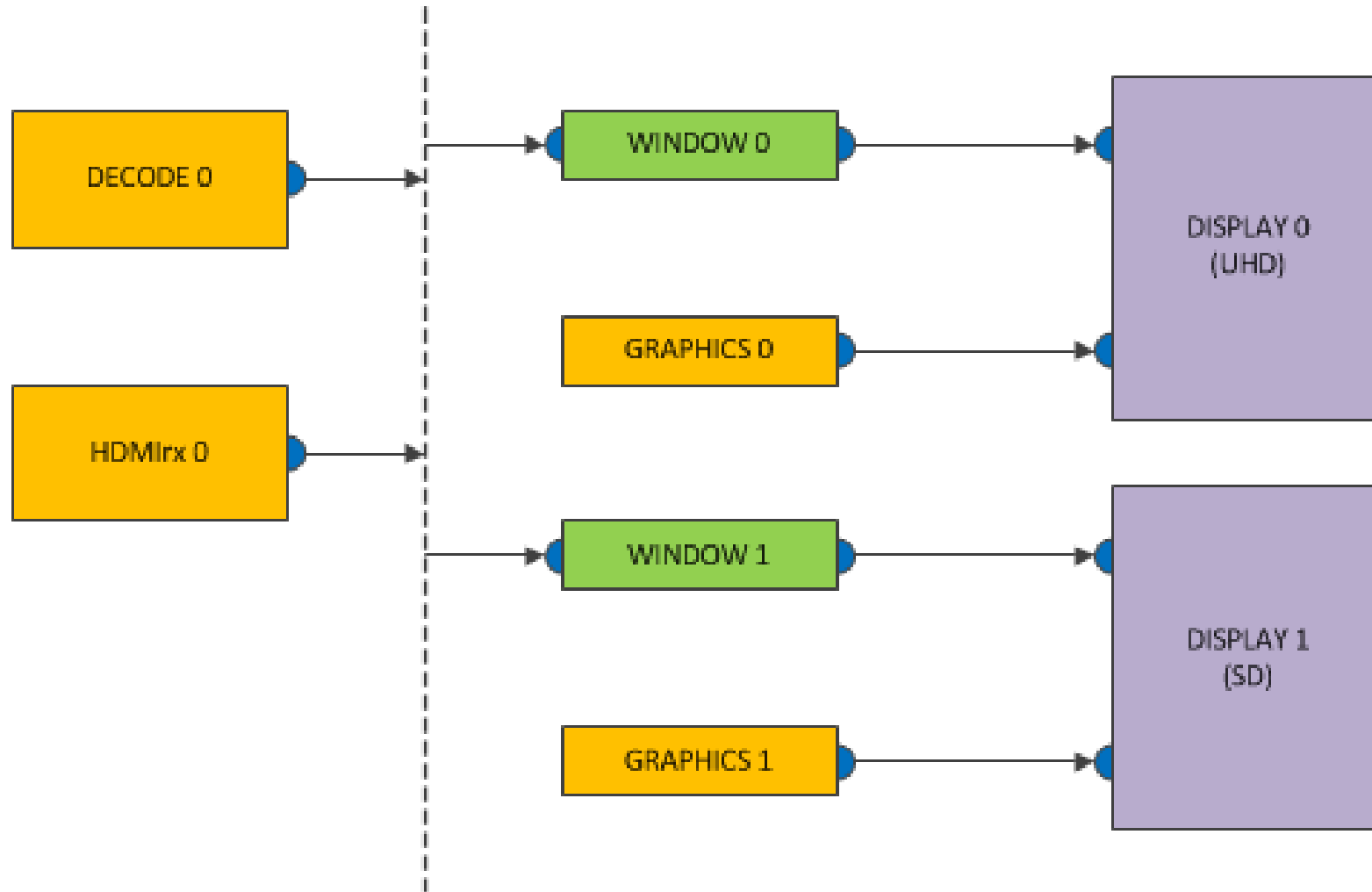
Box mode #9

- 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

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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

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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

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Display and encode limitations

- Display 0 (UHD)
  - 3840x2160p60

- Display 1 (SD)
  - 480i60 or 576i50

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