Box mode #6

7260
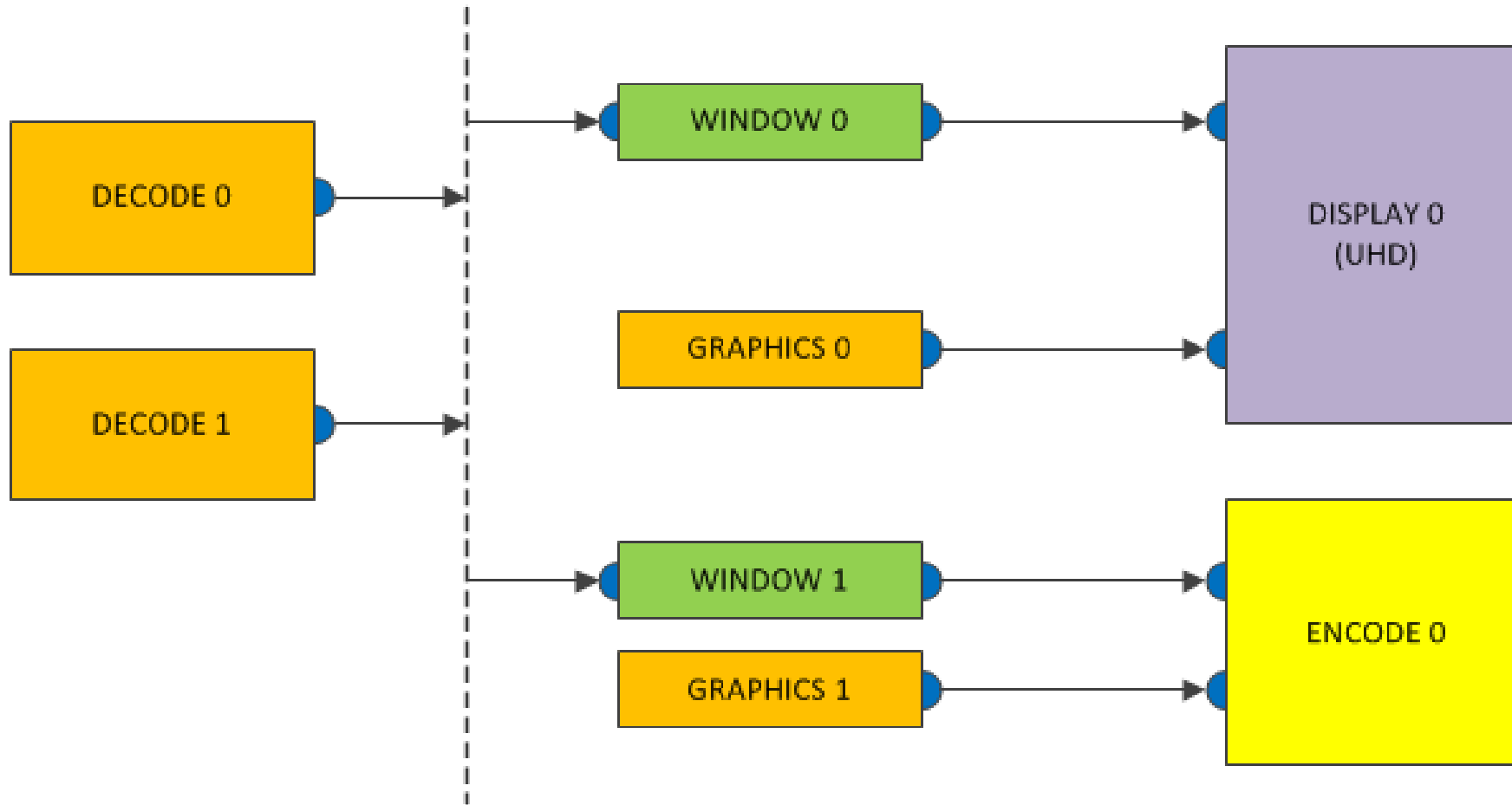
Box mode #6 – Summary

- Required memory speed: 1x 32-bit DDR4-2400
  - No high-temperature refresh

- Features:
  - Two decoders:
    - One 3840x2160p50 decoder
    - One 1080p25/50i decoder
  - UHD display
  - Main only (no PIP)
  - No Multi-PIP
  - No HDMI input
  - Encoding to 420x200p25

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Possible video routings

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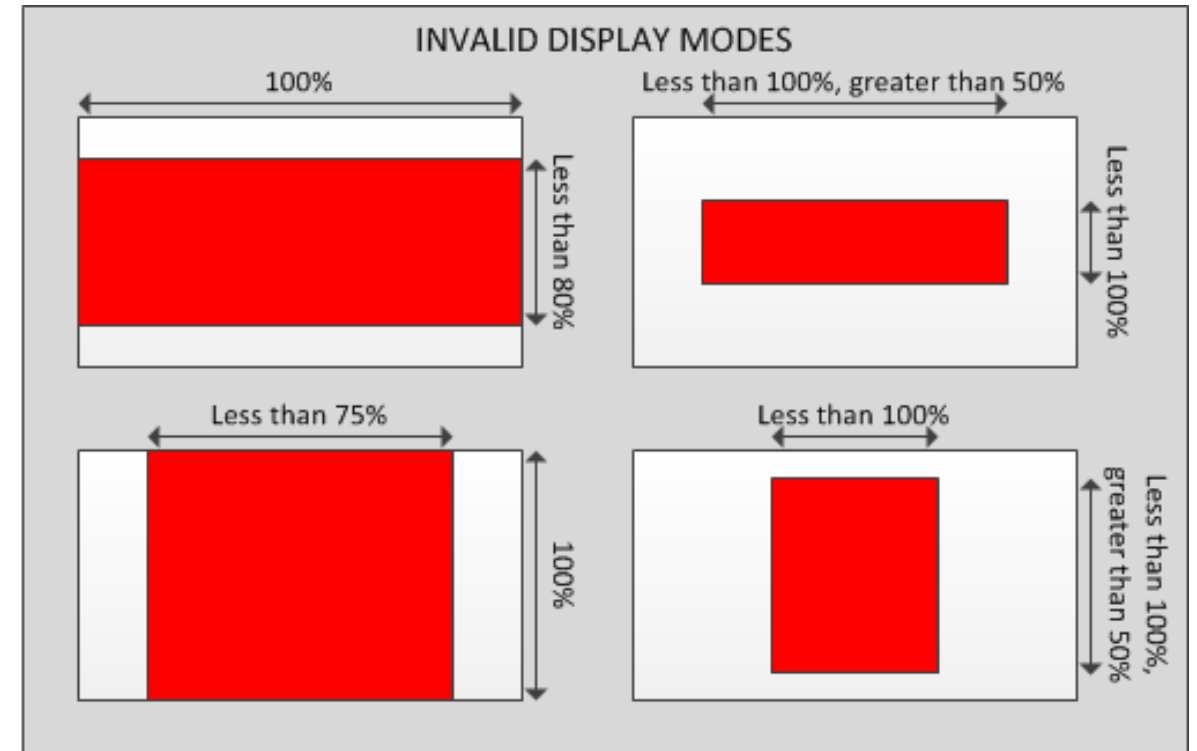
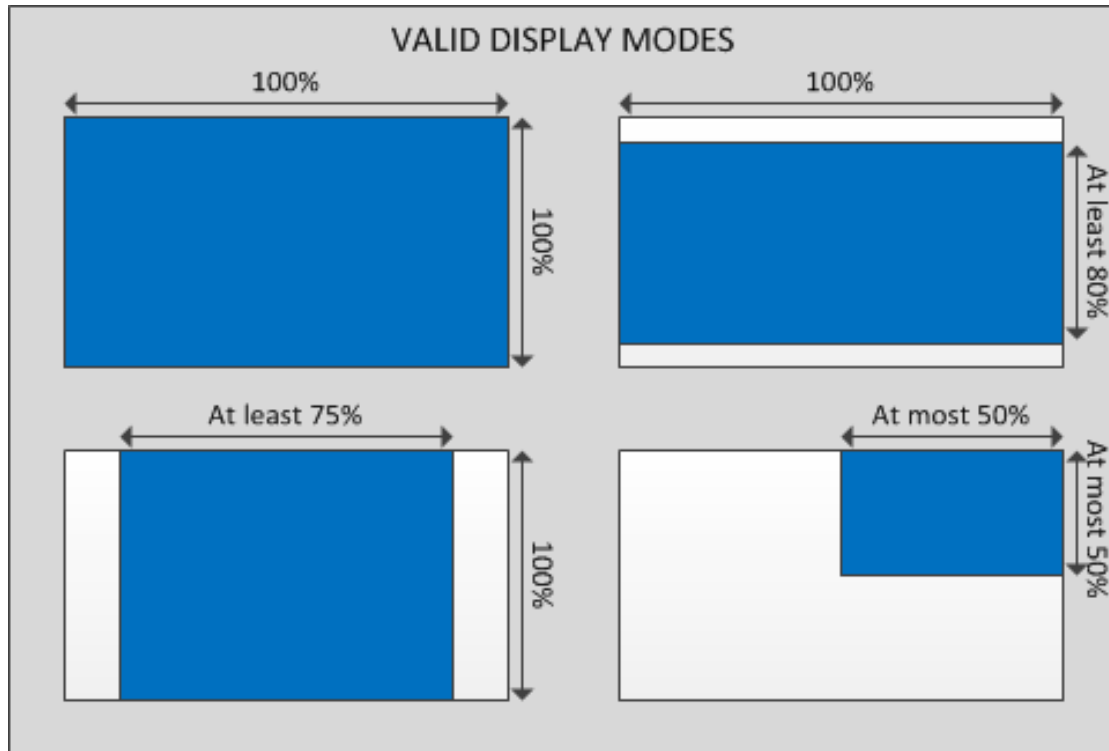BROADCOM®

Source limitations

- Decode 0
  - 3840x2160p50 10-bit HEVC / VP9
  - 3840x2160p50 8-bit AVC / AVS /MPEG2
  - No Multi-PIP support.
  - No MTG support
  - Sources larger than 1080p must have an aspect ratio less than or equal to 2.21:1

- Decode 1
  - 1920x1080p25/50i 8-bit HEVC / VP9 / AVC / AVS / MPEG2
  - No MTG support

- Graphics 0 (UHD)
  - 1080p50 32-bit ARGB

- Graphics 1 (SD)
  - 420x200 32-bit ARGB

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HARDWARE RESOURCE MAPPING

Decoder	MFD	Hardware
Decode 0	MFD0	HVD0
Decode 1	MFD1	HVD0

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Window 0 (MAIN) limitations

- Window 0 (MAIN / UHD)
  - 1080i50 de-interlacing
  - When the display format is less than or equal to 1080p:
    - Up to full-screen (smooth-scaling)
  - When the display format is greater than 1080p, the below diagram specifies the limits:

Window 1 (Main / Encode 0) limitations

- Window 1 (Main / Encode 1)
  - Full-screen only
  - No de-interlacing

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Display and Encode limitations

- Display 0 (UHD)
  - 3840x2160p50
  - All display formats limited to 50Hz.
  - Displays larger than 1080p must have an aspect ratio greater than or equal to 16:9

- Encode 0
  - Up to 420x200p25 8-bit

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