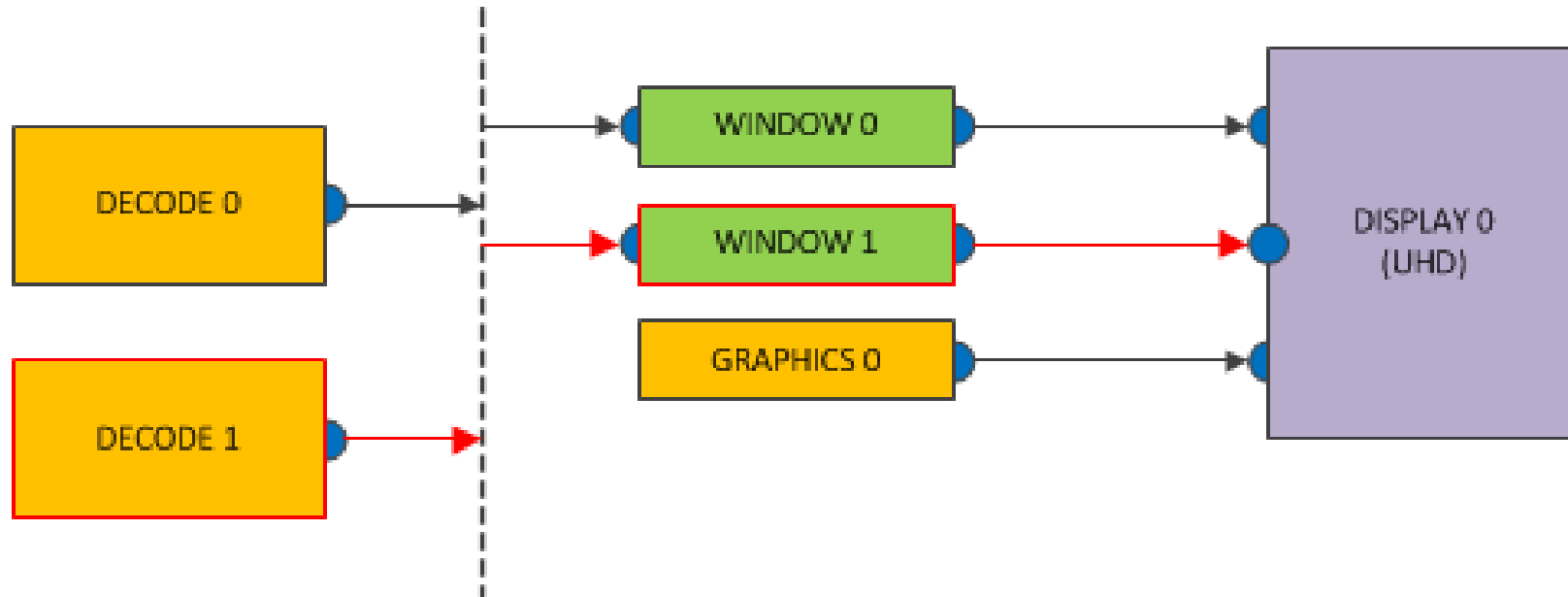# TEMP Box mode #1005

7260

BROADCOM®

TEMP Box mode #1005 – Summary

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

- Features:
  - Single 3840x2160p60 decode or dual 1080p60 decode
  - UHD display
  - Main + limited PIP
    - Decode and MAIN window display limitations for 3840x2160p cases.
  - No SD display
  - No multi-PIP
  - No HDMI input
  - No transcoding

- As a temporary box mode, this configuration is suitable for development and demos only.
  - This box mode cannot be used for production

Possible video routings
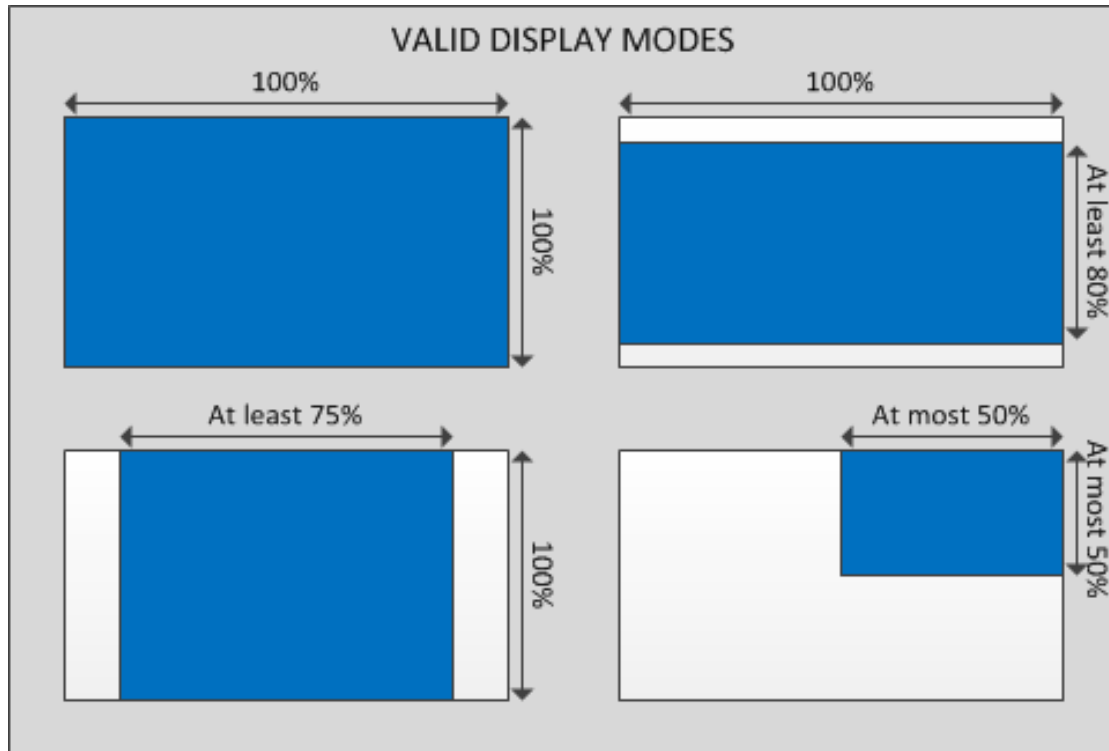
Source limitations

- Decode 0
  - 3840x2160p60 10-bit HEVC / VP9
  - 3840x2160p30 8-bit AVC
  - 1920x1080p30/60i 8-bit MPEG2
  - No MTG support
  - Sources larger than 1080p must have an aspect ratio less than or equal to 2.21:1

- Decode 1
  - Must be inactive when Decode 0 is handling any source greater than 1080p.
  - 1920x1080p60 10-bit HEVC / VP9
  - 1920x1080p60 8-bit AVC
  - 1920x1080p30/60i 8-bit MPEG2

- Graphics 0 (UHD)
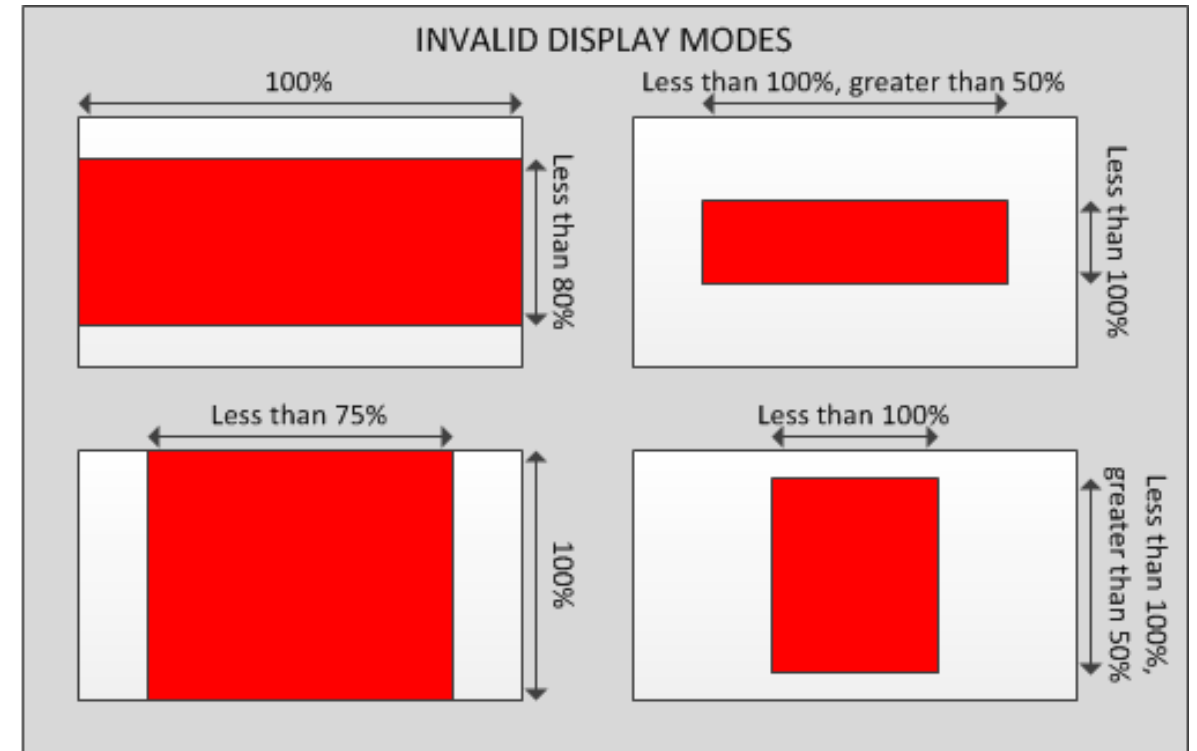 - 1080p60 32-bit ARGB

BROADCOM®

HARDWARE RESOURCE MAPPING

Decoder	MFD	Hardware
Decode 0	MFD0	HVD0
Decode 1	MFD1	HVD0

Window limitations

- Window 0 (MAIN / UHD)
  - 1080i60 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 following diagram specifies the limits:

- Window 1 (PIP / UHD)
  - Must be inactive when Decode 0 is handling any source greater than 1080p
  - Up to full-screen (smooth-scaling)
  - No de-interlacing

Display and encode limitations

- Display 0 (UHD)
    - 3840x2160p60
    - Displays larger than 1080p must have an aspect ratio greater than or equal to 16:9

BROADCOM®