

# Box mode #4

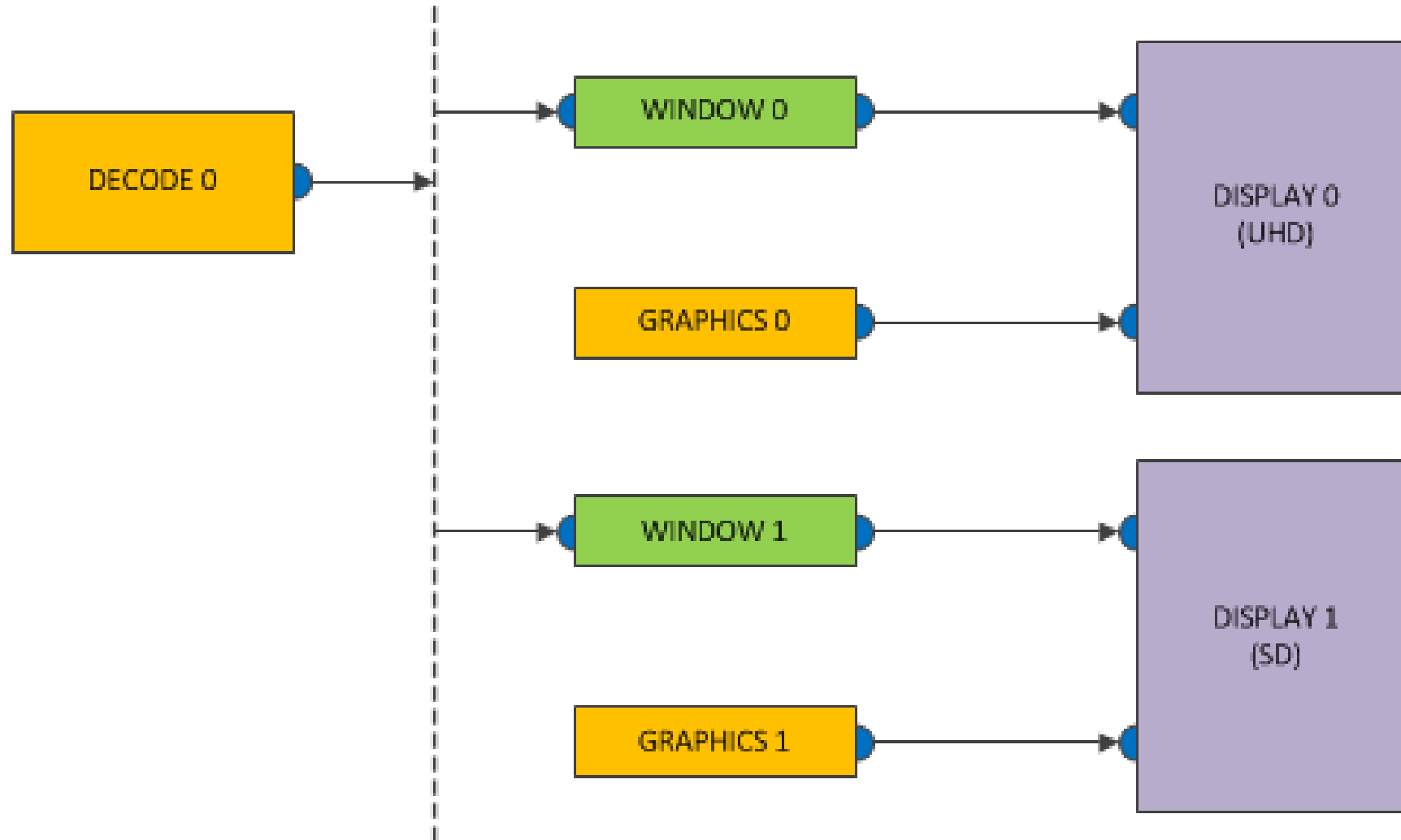
7271



## Box mode #4 – summary

- Required memory speed: 1x 32-bit LPDDR4-1600
  - No high-temperature refresh
- Features:
  - 1920x1080p60 decode
  - No MTG support
  - UHD + SD display
  - Main only (no PIP)
  - No multi-PIP
  - No HDMI input
  - No transcoding

# Possible video routings



# Source limitations

- For each source, you may toggle between any of the provided options.
  - Only one option enabled at a given time.
- Decode 0
  - 1920x1080p60 10-bit HEVC
  - 1920x1080p60 10-bit VP9
  - 1920x1080p60 8-bit AVC / MPEG2
  - No MTG support
- Graphics 0 (UHD)
  - 1080p60 32-bit ARGB
- Graphics 1 (SD)
  - 480p60 32-bit ARGB
  - 576p50 32-bit ARGB

# HARDWARE RESOURCE MAPPING

Decoder	MFD	Hardware
Decode 0	MFD0	HVD0

# Window limitations

- Window 0 (MAIN / UHD)
  - Limited display capabilities:
    - No smooth scaling
    - Must be either full-screen or less than 50%x50% of the screen
  - 1080i60 de-interlacing
- Window 1 (MAIN / SD)
  - Limited display capabilities:
    - No smooth scaling
    - Must be either full-screen or less than 50%x50% of the screen

# Display and encode limitations

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