



Box mode #1001 (TEMP)

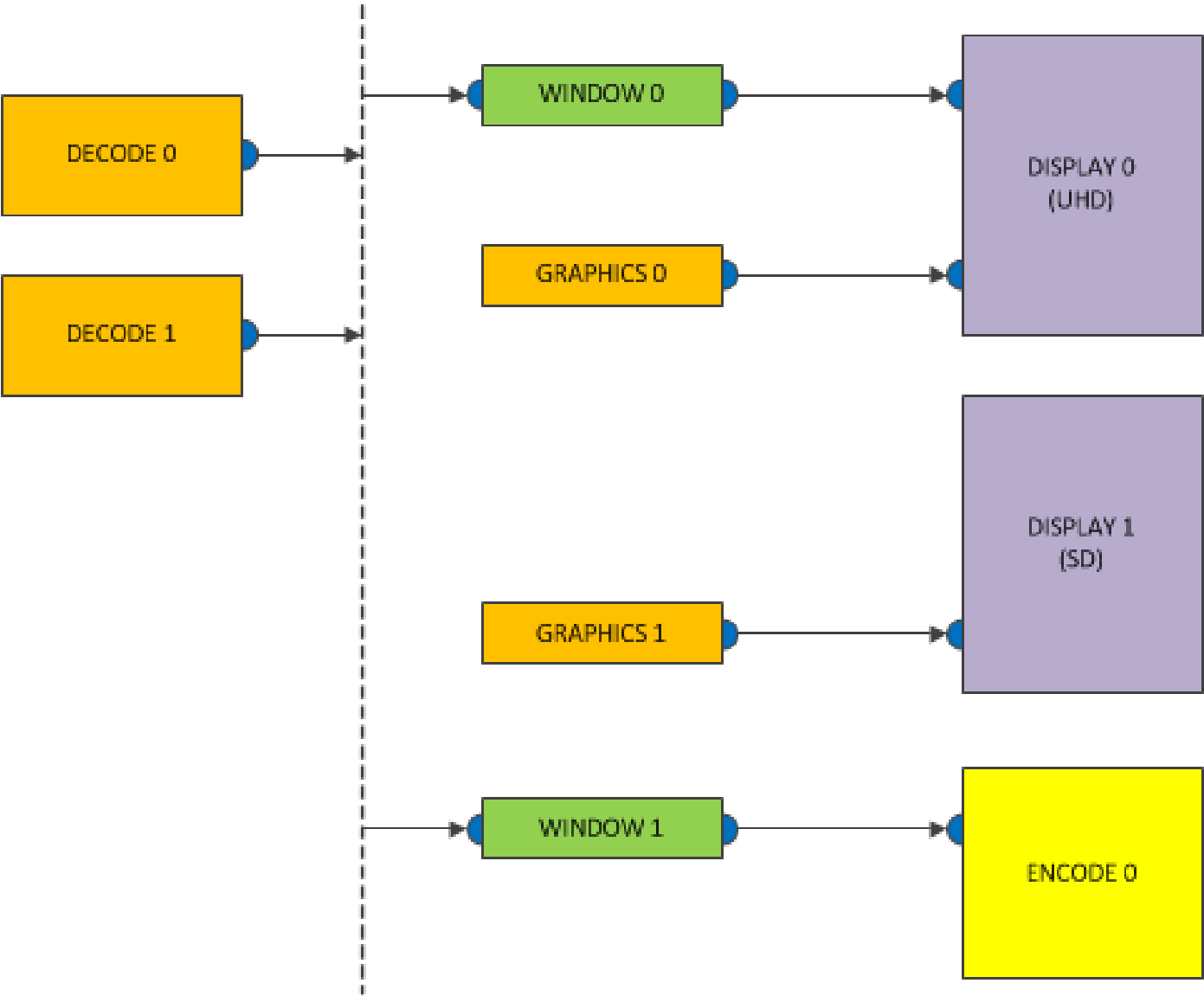
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Box mode #1001 (TEMP)– summary

- TEMP box modes can be used for development and demos only.
 - They are ***not considered production worthy***.
- Required memory speed: 1x 32-bit LPDDR4-3200
 - No high-temperature refresh
- Features:
 - Two 1080p60 decoders
 - UHD with MAIN (no PIP)
 - SD (graphics only)
 - No Multi-PIP support
 - No HDMI input
 - One transcode to 1080p30

Possible video routings



Source limitations

- Decode 0
 - 1920x1080p60 10-bit HEVC/VP9
 - 1920x1080p60 8-bit AVC/MPEG2
 - MTG supported
 - Supports VP9 super-frame
- Decode 1
 - 1920x1080p60 10-bit HEVC/VP9
 - 1920x1080p60 8-bit AVC/MPEG2
 - MTG supported
 - Supports VP9 super-frame
- Graphics 0 (UHD)
 - 1080p60 32-bit ARGB
 - Requires graphics compression
- Graphics 1 (SD)
 - 480p60 or 576p50 32-bit ARGB
 - Does not require graphics compression

HARDWARE RESOURCE MAPPING

Decoder	MFD	Hardware
Decode 0	MFD0	HVD0
Decode 1	MFD1	HVD1

Window limitations

- Window 0 (MAIN / UHD)
 - Up to full-screen display (smooth scaling)
 - 1080i60 de-interlacing
- Window 1 (MAIN / Encode 1)
 - Full-screen only
 - 1080i60 de-interlacing
 - No CAP/VFD

Display and encode limitations

- Display 0 (UHD)
 - 3840x2160p60
 - Can drive the SD CVBS output if the format is set to 480i60 or 576i50
- Display 1 (SD)
 - 480i60
 - 576i50
- Encode 0
 - Up to 1080p30 8-bit