

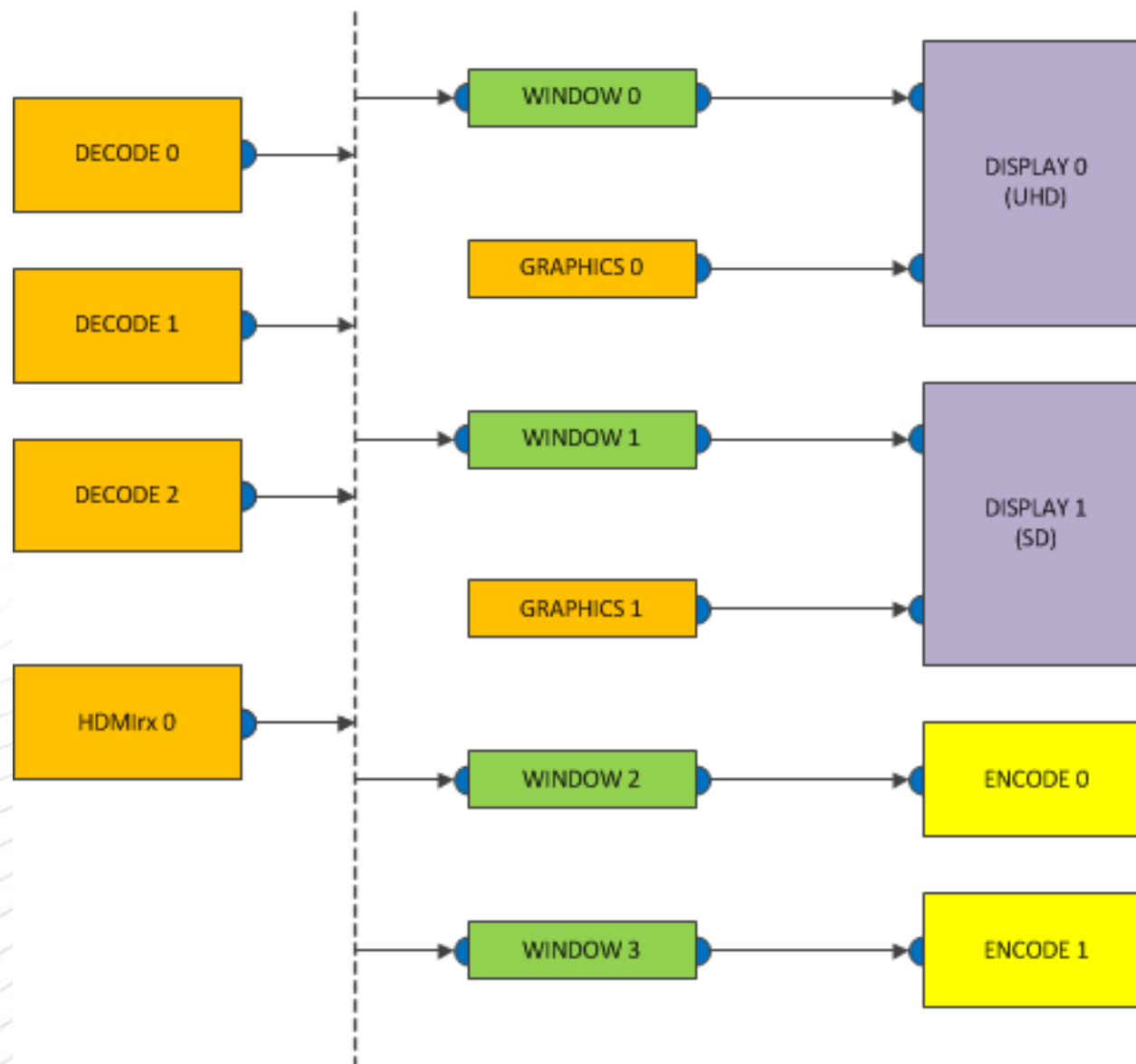
# BOX MODE #27

7439 Bx



- **Required memory speed: 2x 32-bit DDR3-2133**
  - No high-temperature refresh
- **Features:**
  - One 3840x2160p60 10-bit decode
  - Two 1080p30/60i decodes
  - Two 1080p30 encodes
  - UHD + SD display
  - MAIN only (no PIP support)
  - Three Multi-PIPs only (3+0)
  - HDMI input

# POSSIBLE VIDEO ROUTINGS





- **Decode 0**

- 3840x2160p60 10-bit HEVC
- 3840x2160p60 8-bit VP9
- 1920x1080p60 8-bit AVC / MPEG
- Multi-PIP (3x)
  - 1080p30/60i 10-bit HEVC
  - 1080p30/60i 8-bit VP9/AVC/MPEG2
- MTG supported

- **Decode 1**

- 1920x1080p30/60i 10-bit HEVC
- 1920x1080p30/60i 8-bit VP9 / AVC / MPEG2
- MTG supported

- **Decode 2**

- 1920x1080p30/60i 10-bit HEVC
- 1920x1080p30/60i 8-bit VP9 / AVC / MPEG2
- MTG supported

- **HDMIrx 0**

- 3840x2160p60

- **Graphics 0 (UHD)**

- 1080p60 32-bit ARGB

- **Graphics 1 (SD)**

- 480p60 32-bit ARGB
- 576p50 32-bit ARGB

Decoder	MFD	Hardware
Decode 0	MFD0	HVD0
Decode 1	MFD1	HVD1
Decode 2	MFD2	HVD1

- **Window 0 (MAIN / UHD)**

- Up to full-screen display (smooth scaling)
- 1080i60 de-interlacing
- Multi-PIP (3x)
  - 480i60 de-interlacing
  - Up to 25% canvas coverage per window.

- **Window 1 (MAIN / SD)**

- Up to full-screen display (smooth scaling)
- Multi-PIP (3x)
  - Up to 25% canvas coverage per window.

- **Window 2 (Encode 0)**

- Full-screen only
- 1080i60 8-bit de-interlacing

- **Window 3 (Encode 1)**

- Full-screen only
- 1080i60 8-bit de-interlacing

- **Display 0 (UHD)**

- 3840x2160p60

- **Display 1 (SD)**

- 480i60
- 576i50

- **Encode 0**

- 1080p30 8-bit

- **Encode 1**

- 1080p30 8-bit