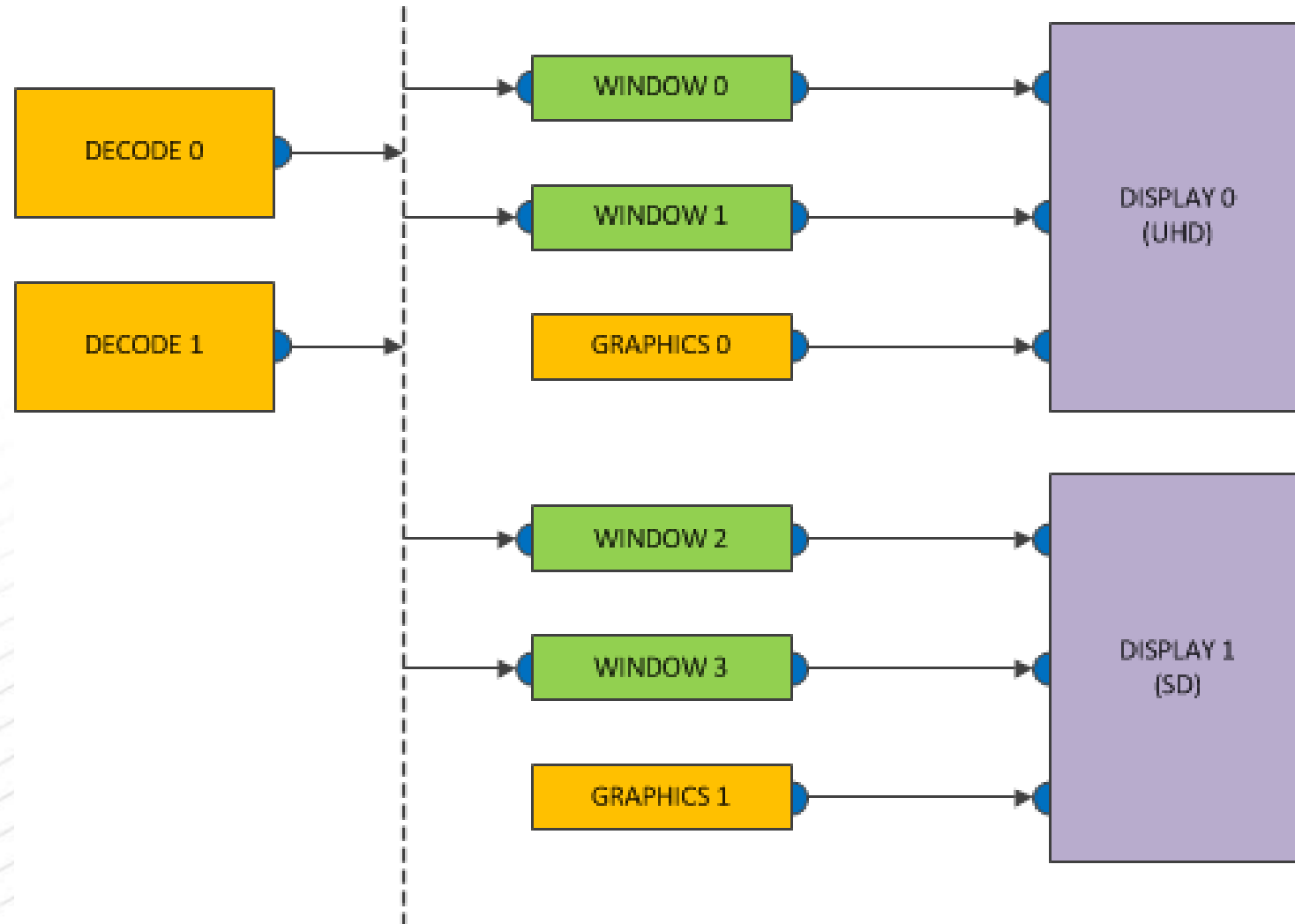# BOX MODE #20

7439 Bx

- **Required memory speed: 1x 32-bit DDR4-2380**
  - No high-temperature refresh

- **Features:**
  - 3840x2160p50 decode
  - 352x288p50 decode
  - HD + SD display
  - MAIN + PIP
  - No HDMI input
  - No encoding

SOURCE LIMITATIONS

- **For each source, you may toggle between any of the provided options.**
  - Only one option enabled at a given time.

- **Decode 0**
  - 3840x2160p50 10-bit HEVC
  - 3840x2160p50 8-bit VP9
  - 1920x1080p50 8-bit AVC / MPEG2

- **Decode 1**
  - 352x288p50 10-bit HEVC
  - 352x288p50 8-bit VP9 / AVC / MPEG2

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

- **Graphics 1 (SD)**
  - 576p50 32-bit ARGB

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)
  - 1080i50 10-bit de-interlacing

- **Window 0 (PIP / UHD)**
  - Up to ½ x ½ display (smooth scaling)
  - 576i50 8-bit de-interlacing

- **Window 1 (MAIN / SD)**
  - Up to full-screen display (smooth scaling)

- **Window 1 (PIP / SD)**
  - Up to ½ x ½ display (smooth scaling)

DISPLAY AND ENCODE LIMITATIONS

- **Display 0 (UHD)**
  - 3840x2160p50

- **Display 1 (SD)**
  - 576i50