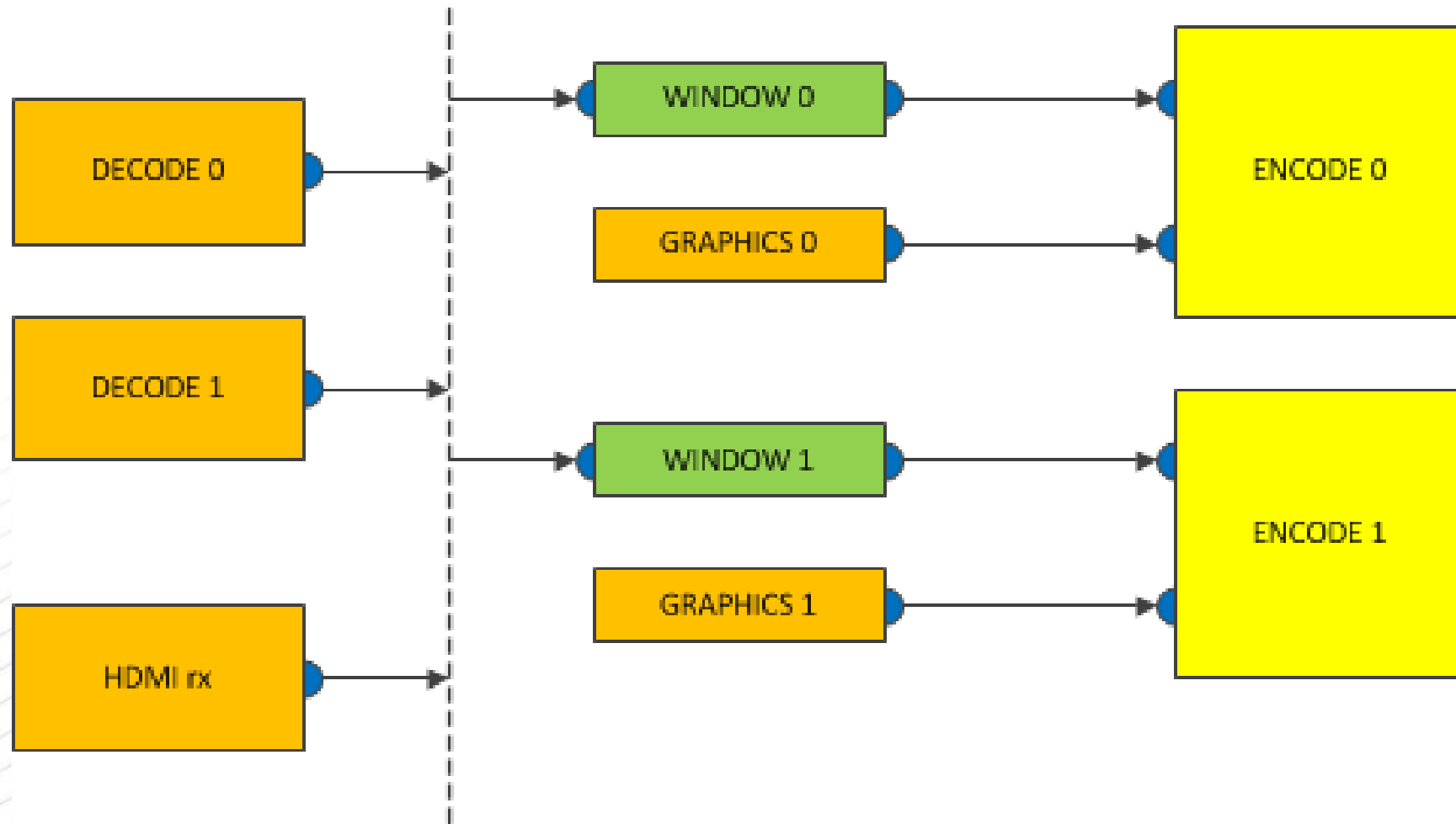# BOX MODE #18

7439 Bx

- **Required memory speed: 2x 32-bit DDR3-2133**
  - No high-temperature refresh

- **Features:**
  - 3840x2160p60 decode
  - 1920x1080p60 decode
  - HDMI input up to 3840x2160p60
  - Two encodes up to 1080p30 with graphics
  - No display (headless)

SOURCE LIMITATIONS

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

- **Decode 0**
  - 3840x2160p60 10-bit HEVC
  - 3840x2160p60 8-bit VP9
  - 1920x1080p60/60i 8-bit AVC / MPEG2

- **Decode 1**
  - 1920x1080p60/60i 10-bit HEVC
  - 1920x1080p60 8-bit VP9 / AVC / MPEG2

- **HDMI rx**
  - 3840x2160p60

- **Graphics 0 (Encode 0)**
  - 1080p60 32-bit ARGB

- **Graphics 1 (Encode 1)**
  - 1080p60 32-bit ARGB

HARDWARE RESOURCE MAPPING

Decoder	MFD	Hardware
Decode 0	MFD0	HVD0
Decode 1	MFD1	HVD1

WINDOW LIMITATIONS

- **Window 0 (Encode 0)**
  - Full-screen only
  - 1080i60 8-bit de-interlacing

- **Window 1 (Encode 1)**
  - Full-screen only
  - 1080i60 8-bit de-interlacing

DISPLAY AND ENCODE LIMITATIONS

- **No HDMI or analog display – headless**

- **Encode 0**
  - 1080p30 8-bit

- **Encode 1**
  - 1080p30 8-bit