

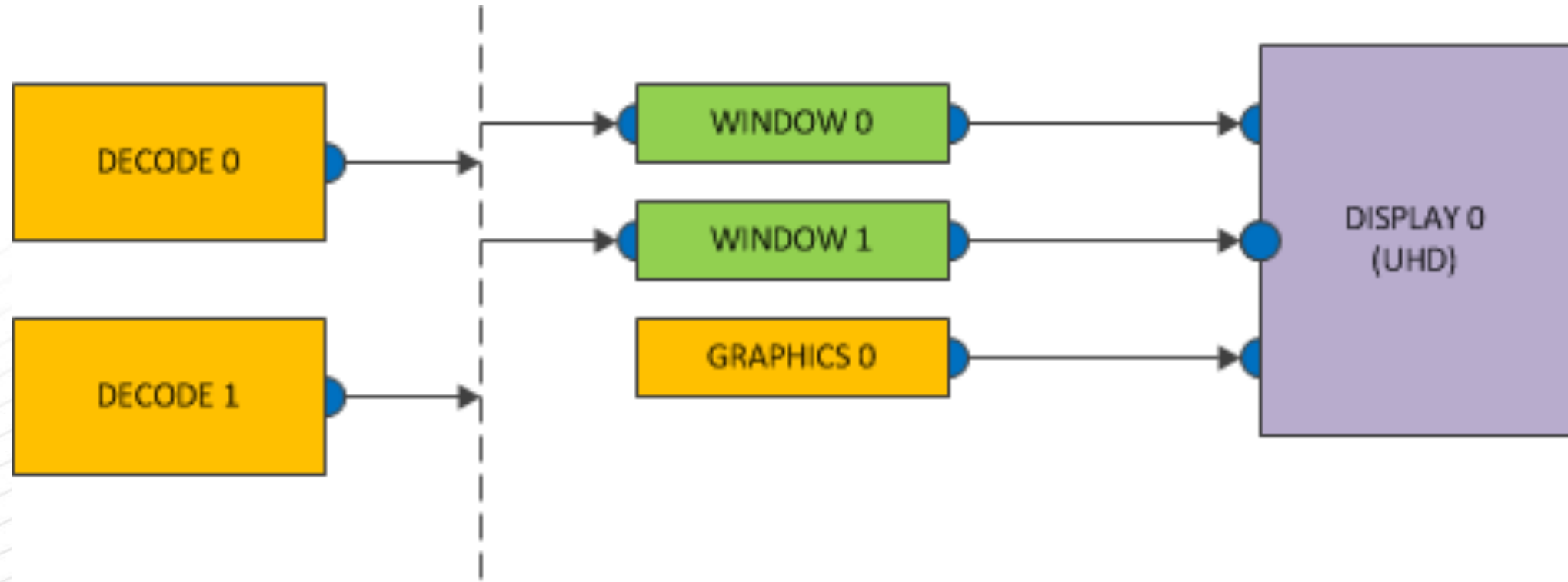
BOX MODE #28

7439 Bx



- **Required memory speed: 1x 32-bit DDR4-2667 (1% SSC)**
 - High-temp refresh not supported
- **Features**
 - Two decoders:
 - One 4kp60 decode
 - One 480p30 decode
 - MAIN + PIP
 - Limited display usages on MAIN
 - UHD only (no SD)
 - No HDMI input
 - No multi-PIP
 - No transcode

POSSIBLE VIDEO ROUTINGS



- **Decode 0**

- 3840x2160p60 10-bit HEVC
- 3840x2160p60 8-bit VP9
- 1920x1080p60 8-bit AVC / MPEG2
- Sources larger than 1080p must have an aspect ratio less than or equal to 2.21:1

- **Decode 1**

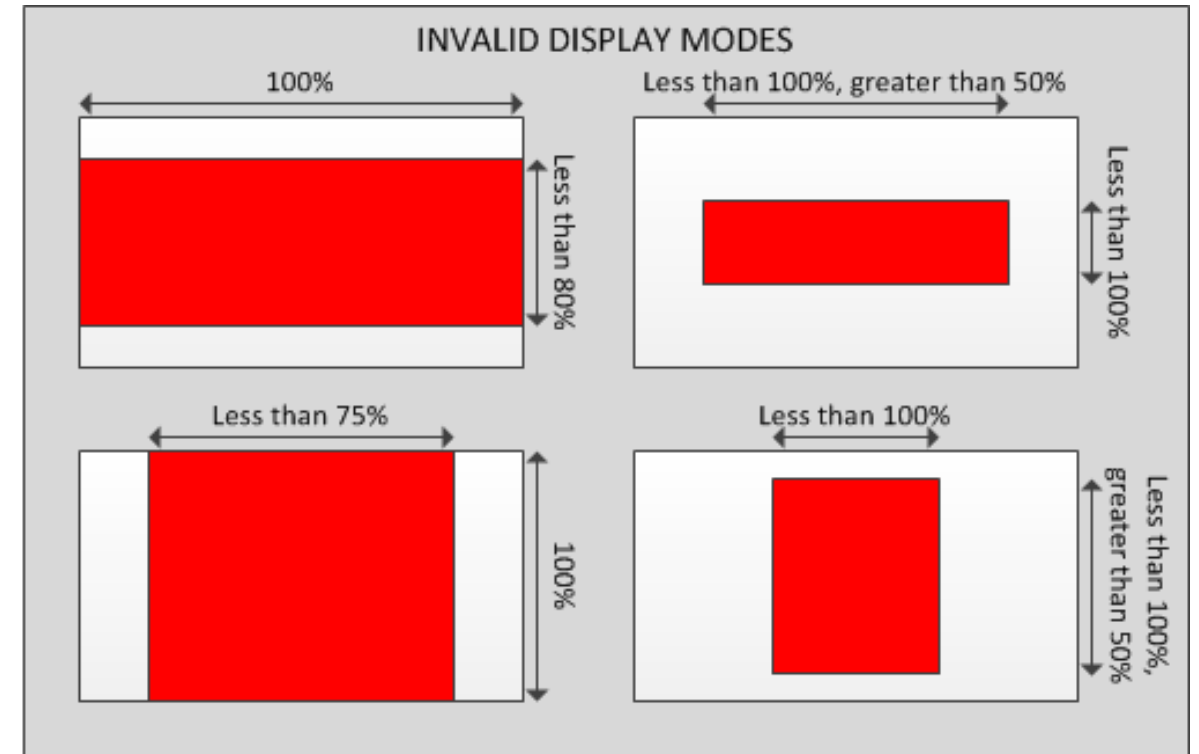
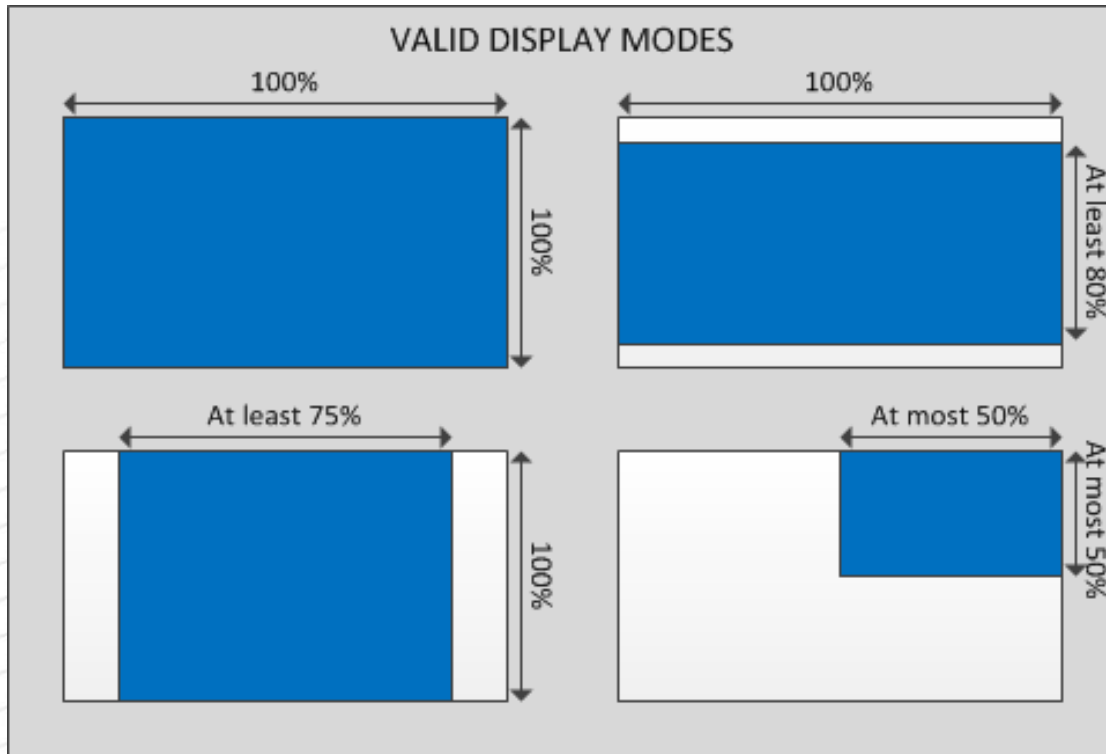
- 480p30 / 60i 8-bit HEVC / VP9 / AVC / MPEG2

- **Graphics 0 (UHD)**

- 1080p60 32-bit ARGB

■ Window 0 (MAIN / UHD)

- 1080i60 de-interlacing
- When the display format is less than or equal to 1080p:
 - Up to full-screen (smooth-scaling)
- When the display format is greater than 1080p, the following diagram specifies the limits:



- **Window 1 (PIP / UHD)**

- Up to $\frac{1}{2} \times \frac{1}{2}$ canvas size (smooth scaling)
- 480i60 de-interlacing

- **Display 0 (UHD)**
 - 3840x2160p60
 - Displays larger than 1080p must have an aspect ratio greater than or equal to 16:9