

# Video Codec HW IP List

Delivering the best-in-class video codec IP cores with a compelling and differentiated full IP package of significant high performance, low power consumption, and bandwidth.

- Codec (Encoder/Decoder)
- Encoder
- Decoder

IP Name	No. of Cores		Video Standards						Bit Depth		Pic Type		Resolution/Frame rates
	Single	Dual	HEVC/H.265	AVC/H.264	VP9	AVS2	AV1	VVC	8-bit	8-/10-bit	I/P	I/P/B	
WAVE520C	●		●							●		●	4K60fps @500MHz
WAVE521C	●		●	●						●		●	4K60fps @500MHz
WAVE521CL	●		●	●					●		●		4K60fps @500MHz
WAVE541C		●	●*	●*						●		●	8K60fps* @1GHz
<b>WAVE637</b>	●		●	●				●		●		●	4K60fps @500MHz
WAVE520	●		●							●		●	4K60fps @500MHz
WAVE521	●		●	●						●		●	4K60fps @500MHz
WAVE521L	●		●	●					●		●		4K60fps @500MHz
WAVE541		●	●*	●*						●		●	8K60fps* @1GHz
<b>WAVE627</b>	●		●	●				●		●		●	4K60fps @500MHz
WAVE510A	●							●		●		●	4K60fps @450MHz
WAVE510	●		●							●		●	4K60fps @450MHz
WAVE511	●		●	●						●		●	4K60fps @450MHz
WAVE512	●		●		●					●		●	4K60fps @450MHz
WAVE515	●		●		●	●				●		●	4K60fps @450MHz
WAVE517	●		●	●	●	●	●			●		●	4K60fps @450MHz
WAVE537		●	●*	●*	●*	●	●	●*		●		●	8K60fps* @900MHz
<b>WAVE617</b>	●		●	●				●		●		●	4K60fps @450MHz
<b>WAVE618</b>	●							●		●		●	4K60fps @450MHz

**Note:** The video standards with an asterisk (\*) indicate the video standards are supported with the multi-core.  
The product name in bold indicates the products currently in development.

IP Name	Video Standards									Bit Depth	Pic Type		Resolution/Frame rates
	AVC/H.264	MPEG-4	H.263	MPEG-2	VC-1	VP8	AVS	AVS+	JPEG	8-bit	I/P	I/P/B	
CODA988	●	●	●							●	●		2K60fps @266MHz
	●	●	●	●	●	●	●	●	●	●		●	2K60fps @266MHz
CODAJ12									●		i only		4:2:2 210M pixel/sec @200MHz
BODA955	●	●	●	●	●	●	●	●	●	●		●	2K60fps @266MHz