

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 low bandwidth usage.

● Codec (Encoder&Decoder) / ● Encoder / ● Decoder * Dual Cores

IP Name (Up to 8K for Ultra-UHD)	No. of Cores		Video Standard					Bit Depth		Pic Type		Feature	Resolution / Frame Rate
	Single	Dual	HEVC / H.265	H.264	VP9	AVS2	AV1	8-bit	8-/10-bit	I/P	I/P/B	3DNR	
WAVE541C		●	●*	●					●		●	●	4K120fps, 8K30fps, 8K60fps
WAVE541		●	●*	●					●		●	●	4K120fps, 8K30fps, 8K60fps
WAVE537		●	●*	●	●	●	●*		●		●		4K120fps, 8K30fps, 8K60fps

IP Name (Up to 4K for UHD)	No. of Cores		Video Standard					Bit Depth		Pic Type		Feature	Resolution / Frame Rate
	Single	Dual	HEVC / H.265	H.264	VP9	AVS2	AV1	8-bit	8-/10-bit	I/P	I/P/B	3DNR	
WAVE420C	●		●						●		●		4K30fps
WAVE420CL	●		●					●		●		●	4K15fps
WAVE520C	●		●	●					●		●	●	4K60fps
WAVE521C	●		●	●					●		●	●	4K60fps
WAVE521CL	●		●	●				●		●			4K60fps
WAVE420	●		●						●		●		4K30fps
WAVE420L	●		●					●		●		●	4K15fps
WAVE520	●		●						●		●	●	4K60fps
WAVE521	●		●	●					●		●	●	4K60fps
WAVE521L	●		●	●				●		●			4K60fps
WAVE510A	●						●		●		●		4K60fps
WAVE510	●		●						●		●		4K60fps
WAVE511	●		●	●					●		●		4K60fps
WAVE512	●		●		●				●		●		4K60fps
WAVE515	●		●		●	●			●		●		4K60fps
WAVE517	●		●	●	●	●	●		●		●		4K60fps

Note : Video standards with an asterisk (*) indicates the multi-core solution available in the standard.

IP Name (Full HD)	Video Standards										Bit Depth	Pic Type		Resolution / Frame Rate
	H.264	MPEG-4	H.263	MPEG-2	VC-1	RV	VP8	AVS	AVS+	JPEG		I/P	I/P/B	
CODA7L (Encoder)	●	●	●								●	●		1K30fps
(Decoder)	●	●	●	●	●	●	●	●			●		●	2K30fps
CODAJ12										●				4:2:2 210M pixel/sec
CODA988 (Encoder)	●	●	●								●	●		2K60fps
(Decoder)	●	●	●	●	●	●	●	●	●		●		●	2K60fps
CODA966 (Encoder)	●	●	●								●	●		2K30fps
(Decoder)	●	●	●	●	●	●	●	●	●		●		●	2K60fps
CODA980 (Encoder)	●										●	●		2K60fps
(Decoder)	●										●		●	2K60fps
BODA955	●	●	●	●	●	●	●	●	●		●		●	2K60fps