

Device Family:	Corvid						KONA				Io		
	Model:	1	22	24	3G	44	88	LHi	LHe+	3G/Quad	4/UFC	XT	4K/UFC
Video:													
Maximum Number of SDI Inputs	1	2	4	1	4	8	1	1	2/4	4/2	2	4/2	
Maximum Number of SDI Outputs	1	2	4	1	4	8	1	1	2/4	5/4	2	4/2	
Number of Analog Inputs	-	-	-	-	-	-	1	1	-	-	-	-	
Number of Analog Outputs	-	-	-	-	-	-	1	-	1	1	1	1	
Independent-Simultaneous I/O	-	✓	✓	-	✓	✓	-	-	✓	✓	✓	✓	
SMPTE 424 3G I/O	-	✓	✓	✓	✓	✓	✓	-	✓	✓	✓	✓	
SMPTE 259/292/296	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
SMPTE 372 Dual Link	-	-	✓	-	✓	✓	-	-	✓	✓	✓	✓	
8/10 bit RGB Framestore Formats	-	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Number of Independent Framestores	2	2	4	2	4	8	2	2	2/4	4/2	2	4/2	
Up/Down/Cross-Conversion	-	-	-	-	-	-	✓	Down	✓ / -	- / ✓	✓	- / ✓	
Number of 1D Luts	-	-	4	-	4	8	2	1	2/4	4/2	2	4	
Number of 3D Luts	-	-	-	-	-	-	-	-	-	-	-	-	
2K Resolution	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
4K Resolution	-	-	✓	-	✓	✓	-	-	✓	✓	-	✓ / -	
4Kp60	-	-	-	-	✓	✓	-	-	-	✓	-	✓ / -	
HDMI Input	-	-	-	-	-	-	1.3	-	-	-	1.3	1.3	
HDMI Output	-	-	-	-	-	-	1.3	-	1.3	2.0	1.3	2.0	
Number of Mixer/Keyer Widgets	-	2	2	1	2	4	-	1	2	2	1	2	
Number of Color Space Converters	-	2	4	2	4	8	2	1	2/4	4/2	2	4	
Video Key I/O	-	✓	✓	-	✓	✓	-	-	✓	✓	✓	✓	
HD Format: 1080p/60	-	✓	✓	✓	✓	✓	✓	-	✓	✓	✓	✓	
HD Formats: 720p 50.00/59.94/60.00 1080i 50.00/59.94/60.00 1080psf 23.98/24.00 1080p 23.98/24.00/29.97/30.00	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
SD Formats: 525i 59.94, 625i 50.00	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Optional Arbitrary Scaler	-	-	-	-	-	-	-	-	-	-	-	-	
Multiple 2K/HD Extraction from 4K	-	-	-	-	-	-	-	-	-	-	-	-	
16 Bit Half Float Support	-	-	-	-	-	-	-	-	-	-	-	-	
XYZ & XYZA 12 Bit Support	-	-	-	-	-	-	-	-	-	-	-	-	
Debayering Support	-	-	-	-	-	-	-	-	-	-	-	-	
Number of 4K capable expansion slots	-	-	-	-	-	-	-	-	-	-	-	-	

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Audio:												
Number of Embedded Channels	16	16	16	16	16	16	8	8	16	16	16	16
Number of AES Channels	-	-	-	-	-	-	2	2	8	8	-	8
Number of Analog Channels	-	-	-	-	-	-	2	2	-	-	-	-
Ancillary:												
SMPTE 12M-2 (RP188)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Expanded VANC Support	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Number of LTC Inputs	1	2	2	1	1	1	1	1	2	2	1	2
Number of LTC Outputs	-	2	2	-	-	-	-	-	2	2	1	2
Reference:												
Genlock	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Analog Reference Input	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Tri-Level Sync	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Physical and Electrical:												
PCIe Gen 2.0	-	-	✓	-	✓	✓	-	✓	✓	✓	✓	✓
Number of PCIe Lanes	4	4	4	4	8	8	4	4	4	8	4	4
Number of DMA Engines	2	3	2	2	2	2	3	2	2	2	2	2
DMA Transfer Rate in MB/s (typical)	500	500	1200	500	2400	2400	500	500	1200	2400	500	1400
Peer to Peer DMA transfers	-	-	-	-	✓	✓	-	-	✓	✓	-	-
Number of Thunderbolt Ports	-	-	-	-	-	-	-	-	-	-	2	2
Thunderbolt 2 Support	-	-	-	-	-	-	-	-	-	-	-	✓
Low Profile Version Available	✓	-	-	✓	✓	✓	-	-	-	-	-	-
Breakout Box Available	-	-	-	-	-	-	✓	✓	✓	✓	-	-
Bypass Relays/Watchdog Timer	-	-	✓	-	-	-	-	-	-	-	-	-
Board Dimensions L x H (inches)	6.625 x 2.75	6.625 x 4.375	7.875 x 4.375	6.625 x 2.75	6.6 x 2.7	6.6 x 2.7	6.625 x 4.375	6.625 x 4.375	7.875 x 4.375	7.875 x 4.375	-	-
Chassis Dimensions H x W x Depth (inches)	-	-	-	-	-	-	-	-	-	-	1.6 x 8.2 x 5.3	1.6 x 8.7 x 7.2
Power Consumption in Watts (maximum)	10	15	15	10	15	15	15	15	15	15	22	23
SDK Platform Support:												
Linux	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-
Windows	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Macintosh	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
SDK Version	NTV2	NTV2	NTV2	NTV2	NTV2	NTV2	NTV2	NTV2	NTV2	NTV2	NTV2	NTV2