

Blackmagic Design Decklink

DeckLink Model Comparison

PCIe Based Matrix

Model Name	Per Port Bitrate	# Inputs (Max)	# Outputs (Max)	Gearboxing	Bi-Directional	Reference In
DeckLink IP 100G	100Gbps	8 (ST2110)	8 (ST2110)	No	Yes	Yes (PTPv2)
DeckLink Quad HDMI Recorder	HDMI 2.0b	4 (HDMI)	0	No	No	No
DeckLink 8K Pro	12 Gb/s	4 (SDI BNC)	4 (SDI BNC)	Yes	Yes	Yes
DeckLink 4K Extreme 12G	12 Gb/s (SDI) HD (Analog) HDMI 2.0	2 (SDI BNC) 2 (SDI SFP) 1 (Analog DB25) 1 (HDMI)	2 (SDI BNC) 2 (SDI SFP) 1 (Analog DB25) 1 (HDMI)	No	No	No
DeckLink Studio 4K	6 Gb/s HD (Analog) HDMI 2.0	1 (SDI BNC) 1 (Analog DB25) 1 (HDMI)	1 (SDI BNC) 1 (Analog DB25) 1 (HDMI)	No	No	No
DeckLink SDI 4K	6 Gb/s	1 (SDI BNC)	1 (SDI BNC)	No	No	Yes
DeckLink Quad 2	3 Gb/s	8 (SDI DIN)	8 (SDI DIN)	No	Yes	Yes (DIN)
DeckLink Duo 2	3 Gb/s	4 (SDI BNC)	4 (SDI BNC)	No	Yes	Yes
DeckLink Duo 2 Mini	3 Gb/s	4 (SDI DIN)	4 (SDI DIN)	No	Yes	Yes (DIN)
DeckLink Mini Recorder 4K	6 Gb/s HDMI 2.0a	1 (SDI BNC) 1 (HDMI)	0	No	No	No

DeckLink Mini Monitor 4K	6 Gb/s HDMI 2.0a	0	1 (SDI BNC) 1 (HDMI)	No	No	No
DeckLink Mini Recorder HD	3 Gb/s HDMI 2.0a	1 (SDI BNC) 1 (HDMI)	0	No	No	No
DeckLink Mini Monitor HD	3 Gb/s HDMI 2.0a	0	1 (SDI BNC) 1 (HDMI)	No	No	No

DeckLink Connector Order

Connectors from motherboard side out, top (card with PCIe connector) first for multi-slot cards

Model Name	#1 (PCIe/ Mother board Side)	#2	#3	#4	#5	#6	#7	#8	#9	#10
DeckLink IP 100G	Ethernet Connector 1 (QSFP28)	Ethernet Connector 0 (QSFP28)								
DeckLink Quad HDMI Recorder	Input	Input	Input	Input						
DeckLink 8K Pro G2	Ref In	12G-SDI In/Out	12G-SDI In/Out	12G-SDI In/Out	12G-SDI In/Out	HDMI 2.1 In	HDMI 2.1 Out	RS-422 Deck Control		
DeckLink 8K Pro	Ref In	12G-SDI In/Out 1	12G-SDI In/Out 3	12G-SDI In/Out 2	12G-SDI In/Out 4					
DeckLink 8K Pro Mini	Ref In	12G-SDI In/Out	12G-SDI In/Out	12G-SDI In/Out	12G-SDI In/Out					
DeckLink 4K Extreme 12G	Ref In	12G-SDI In Ch B	12G-SDI In Ch A	12G-SDI Out Ch B	12G-SDI Out Ch A	Analog Breakout	HDMI In	HDMI Out	Optical Fiber In/Out B (Optional)	Optical Fiber In/Out A (Optional)
DeckLink Studio 4K	6G-SDI In	6G-SDI Out	Breakout Cable	HDMI In	HDMI Out					

DeckLink SDI 4K	Ref In	6G-SDI In	6G-SDI Out	RS-422 Deck Control						
DeckLink Quad 2	Reference In	HD/SD-SDI In/Out 1	HD/SD-SDI In/Out 5	HD/SD-SDI In/Out 2	HD/SD-SDI In/Out 6	HD/SD-SDI In/Out 3	HD/SD-SDI In/Out 7	HD/SD-SDI In/Out 4	HD/SD-SDI In/Out 8	
DeckLink Quad	Ref In	HD/SD-SDI In 1	HD/SD-SDI Out 1	HD/SD-SDI In 2	HD/SD-SDI Out 2	HD/SD-SDI In 3	HD/SD-SDI Out 3	HD/SD-SDI In 4	HD/SD-SDI Out 4	
DeckLink Duo 2	Reference In	HD/SD-SDI In/Out 1	HD/SD-SDI In/Out 2	HD/SD-SDI In/Out 3	HD/SD-SDI In/Out 4					
DeckLink Duo 2 Mini	Reference In	HD/SD-SDI In/Out 1	HD/SD-SDI In/Out 2	HD/SD-SDI In/Out 3	HD/SD-SDI In/Out 4					
DeckLink Duo	Ref In	HD/SD-SDI Input 1	HD/SD-SDI Output 1	HD/SD-SDI Input 2	HD/SD-SDI Output 2					
DeckLink Mini Recorder 4K	6G SDI Input	HDMI Input								
DeckLink Mini Monitor 4K	6G SDI Output	HDMI Output								
DeckLink Mini Recorder HD	SDI Input	HDMI Input								
DeckLink Mini Monitor HD	SDI Output	HDMI Output								