

Production Switchers

Feature Comparison

CARBONITE **TACK**
SOLO

GRAPHITE

CARBONITE **Ultra**

CARBONITE **Ultra**⁶⁰

Ultrix **CARBONITE**

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ROSS

PHYSICAL												
ROSS	CARBONITE 3RACK SOLO				GRAPHITE			CARBONITE Ultra	CARBONITE Ultra ⁶⁰	Ultrix CARBONITE		
	SOLO	CBF 109	SOLO 13	CBF 113	GRAPHITE	GRAPHITE PPC	GRAPHITE CPC	CARBONITE ULTRA	CARBONITE ULTRA 60	FR2	FR5	FR12
Separate Rack Frame & Panel	✗	✓	✗	✓	✓	✓	N/A	✓	✓	✓	✓	✓
Rack Frame Height (RU)	✗	1	✗	1	4	14.63" (371.5 mm)	N/A	1	3	2	5	12
Rack Frame Width	16.20" (411.50 mm)	18.98" (482.10 mm)	16.20" (411.50 mm)	18.98" (482.10 mm)	16.00" (430.00 mm)	17.09" (434.00 mm)	N/A	18.98" (482.10 mm)	17.50" (444.5 mm)	17.50" (444.5 mm)	17.50" (444.5 mm)	17.50" (444.5 mm)
Rack Frame Depth	10.60" (255.50 mm)	10.00" (254.00 mm)	10.60" (255.50 mm)	10.00" (254.00 mm)	23.30" (592.00 mm)	9.05" (230.00 mm)	N/A	10.00" (254.00 mm)	17.50" (444.5 mm)	7.90" (200.66 mm)	7.90" (200.66 mm)	7.90" (200.66 mm)
Rack Frame Weight	10.00 lbs. (4.54 kg.)	8.00 lbs. (3.63 kg.)	11.00 lbs. (4.99 kg.)	9.00 lbs. (4.08 kg.)	62.00 lbs. (28.12 kg.)	42.00 lbs. (19.05 kg.)	N/A	13.00 lbs. (5.90 kg.)	20.00 lbs. (9.07 kg.)	12.00 lbs. (5.44 kg.) Blade (approx.) 3 lbs. (1.36 kg.) Ultripower: 10.6 lbs. (4.83 kg.)	14.00 lbs. (6.35 kg.) Blade (approx.) 3 lbs. (1.36 kg.) Ultripower: 10.6 lbs. (4.83 kg.)	76.00 lbs. (34.47 kg.) Blade (approx.) 3 lbs. (1.36 kg.) Ultripower: 10.6 lbs. (4.83 kg.)
Maximum SDPE Blades per Chassis	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	2	4	16
Power Consumption	57W 4.75A 12VDC	66W 5.50A 12VDC	45W 3.75A 12VDC	48W 4.00A 12VDC	520W 4.70A 120V	185W 1.5A 120V	N/A	114W 7.6A 15VDC	800W 12VDC (maximum)	See Note		
Input Power	100 - 120 V, 220 - 240V, 47 - 63 Hz. 1.6 A						N/A	100 - 120 V, 220 - 240V, 47 - 63 Hz. 1.6 A		See Note		
NOTE: Power requirements and consumption dependent on I/O and SDPE blade complement.												
LEGEND:	✓ = Supported ✗ = Unsupported	Specifications subject to change without notice										

PORTS													
ROSS		CARBONITE 3RACK SOLO				GRAPHITE			CARBONITE Ultra	CARBONITE Ultra⁶⁰	Ultrix CARBONITE		
		SOLO	CBF 109	SOLO 13	CBF 113	GRAPHITE	GRAPHITE PPC	GRAPHITE CPC	CARBONITE ULTRA	CARBONITE ULTRA 60	FR2	FR5	FR12
Ethernet Port (Frame)		1	1	1	1	2 (1 Carbonite, 1 Windows)	2 (1 Carbonite, 1 Windows)	N/A	1	1	Blades & Chassis	Blades & Chassis	Blades & Chassis
Tally		16	16	16	16	16 ¹	16 ¹	N/A	24	24	24 per SDPE blade	24 per SDPE blade	24 per SDPE blade
GPI/O		24	24	24	24	24 ¹	24 ¹	N/A	24	24	24 per SDPE blade	24 per SDPE blade	24 per SDPE blade
Serial Ports (Frame)		1	1	1	1	✗	✗	N/A	✗	✗	1	1	1
LTC Input		✗	✗	✗	✗	✓	✓	N/A	✓	✓	1	1	1
AES Input		✗	✗	✗	✗	✓ ¹	✓ ¹	N/A	✗	✗	✗	✗	✗
AES Output		✓	✓	✓	✓	✓	✓	N/A	✓	✗	2	2	2
Reference Input		1	1	1	1	1	1	N/A	1	1	1 ³	2 ³	2 ³
Reference Loop		✗	✗	✗	✗	✗	✗	N/A	1 ²	1 ²	1 ³	2 ³	2 ³
Independent Reference Output		✗	✗	✗	✗	✗	✗	N/A	1	1	✗	✗	✗
						¹ On Audio Breakout Module			² Using Reference Output.		³ On Ultrix frame.		
LEGEND:		✓ = Supported ✗ = Unsupported		Specifications subject to change without notice									

SUPPORTED VIDEO STANDARDS													
ROSS		CARBONITE 3-TAPK SOLO				GRAPHITE			CARBONITE Ultra Λ	CARBONITE Ultra Λ^{60}	Ultrix CARBONITE		
		SOLO	CBF 109	SOLO 13	CBF 113	GRAPHITE	GRAPHITE PPC	GRAPHITE CPC	CARBONITE ULTRA	CARBONITE ULTRA 60	FR2	FR5	FR12
										NOTE: Support for SD formats available late 2023			
SD	480i /59.94	✓	✓	✓	✓	✓	✓	✓	✓	✓	✗	✗	✗
	576i /50	✓	✓	✓	✓	✓	✓	✓	✓	✓	✗	✗	✗
HD 720p	720p /50	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	720p /59.94	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
HD pSF	1080 pSF /23.98	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	1080 pSF /24	✗	✗	✗	✗	✗	✗	✓	✓	✓	✓	✓	✓
	1080 pSF /25	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	1080 pSF /29.97	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	1080 pSF /30	✗	✗	✗	✗	✗	✗	✓	✓	✓	✓	✓	✓
HD 1080i	1080i /25	✗	✗	✗	✗	✗	✗	✗	✓	✓	✓	✓	✓
	1080i /29.97	✗	✗	✗	✗	✗	✗	✗	✓	✓	✓	✓	✓
	1080i /30	✗	✗	✗	✗	✗	✗	✗	✓	✓	✓	✓	✓
	1080i /50	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	1080i /59.94	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
HD 1080p	1080p /23.98	✗	✗	✗	✗	✗	✗	✓	✓	✓	✓	✓	✓
	1080p /24	✗	✗	✗	✗	✗	✗	✓	✓	✓	✓	✓	✓
	1080p /25	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	1080p /29.97	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	1080p /30	✗	✗	✗	✗	✗	✗	✓	✓	✓	✓	✓	✓
	1080p /50 (Level A)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	1080p /59.94 (Level A)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	1080p /60	✗	✗	✗	✗	✗	✗	✗	✓	✓	✓	✓	✓
UHD 2160p	2160p /23.98	✗	✗	✗	✗	✗	✗	✗	✓	✓	✓	✓	✓
	2160p /24	✗	✗	✗	✗	✗	✗	✗	✓	✓	✓	✓	✓
	2160p /25	✗	✗	✗	✗	✗	✗	✗	✓	✓	✓	✓	✓
	2160p /29.97	✗	✗	✗	✗	✗	✗	✗	✓	✓	✓	✓	✓
	2160p /30	✗	✗	✗	✗	✗	✗	✗	✓	✓	✓	✓	✓
	2160p /50	✗	✗	✗	✗	✗	✗	✗	✓	✓	✓	✓	✓
	2160p /59.94	✗	✗	✗	✗	✗	✗	✗	✓	✓	✓	✓	✓
	2160p /60	✗	✗	✗	✗	✗	✗	✗	✓	✓	✓	✓	✓
	Single-Link 12G	✗	✗	✗	✗	✗	✗	✗	✓	✓	✓	✓	✓
	Quad-Link 2SI, 3G Level A	✗	✗	✗	✗	✗	✗	✗	✓	✓	✓	✓	✓
LEGEND: ✓ = Supported ✗ = Unsupported		Specifications subject to change without notice											

SDI/HDMI/MADI INPUTS & OUTPUTS												
ROSS	CARBONITE 3-TACK SOLO				GRAPHITE			CARBONITE Ultra	CARBONITE Ultra⁶⁰	Ultrix CARBONITE		
	SOLO	CBF 109	SOLO 13	CBF 113	GRAPHITE	GRAPHITE PPC	GRAPHITE CPC	CARBONITE ULTRA	CARBONITE ULTRA 60	FR2	FR5	FR12
									NOTE: Support for SD formats available late 2023			
	SD/HD	SD/HD	SD/HD	SD/HD	SD/HD	SD/HD	SD/HD	SD/HD/UHD	SD/HD/UHD	HD/UHD	HD/UHD	HD/UHD
SDI Inputs	6	6	12	12	4, 8 or 12	4, 8 or 12	✗	24	Up to 60	NOTE: Figures below represent Ultrix Carbonite SDI Inputs <i>and</i> Outputs		
SDI Outputs	5	5	5	5	6	6	✗	14	Up to 25			
SDI Inputs/Outputs										1 SDPE + 3 HDX-IO	1 SDPE + 8 HDX-IO	1 SDPE + 15 HDX-IO
										58 ¹	146 ¹	274 ¹
										2 SDPE + 2 HDX-IO	2 SDPE + 7 HDX-IO	2 SDPE + 14 HDX-IO
										40 ¹	128 ¹	256 ¹
											3 SDPE + 6 HDX-IO	3 SDPE + 13 HDX-IO
											110 ¹	238 ¹
										4 SDPE + 5 HDX-IO	4 SDPE + 12 HDX-IO	
										92 ¹	220 ¹	
											5 SDPE + 11 HDX-IO	
											202 ¹	
											6 SDPE + 10 HDX-IO	
											184 ¹	
											7 SDPE + 9 HDX-IO	
											166 ¹	
											8 SDPE + 8 HDX-IO	
											148 ¹	
											9 SDPE + 7 HDX-IO	
											130 ¹	
											10 SDPE + 6 HDX-IO	
											112 ¹	
											11 SDPE + 5 HDX-IO	
											94 ¹	
										12 SDPE + 4 HDX-IO		
										76 ¹		
										13 SDPE + 3 HDX-IO		
										58 ¹		
14 SDPE + 2 HDX-IO												
40 ¹												
15 SDPE + 1 HDX-IO												
22 ¹												
HDMI Inputs/Outputs	3	3	1	1	1	1	✗	✗	✗	✓ ²	✓ ²	✓ ²
NDI Inputs/Outputs	✗	✗	✗	✗	✗	✗	8, 12, or 18	✗	✗	✗	✗	✗
MADI Audio Inputs/Outputs	✗	✗	✗	✗	✗	✗	✗	✗	64	Ultrix	Ultrix	Ultrix
									¹ Assumes available slots are fully populated with HDX-IO boards, Aux Ports are populated with SDI SFP modules, and dedicated SDPE inputs are fully populated. Note: Each SDPE blade = one (1) Carbonite switcher which can access the router I/O matrix in groups of up to eighteen (18). An additional four (4) SDI inputs and outputs are directly available on the SDPE blade. Mixed I/O board complement will result in different matrix sizes. Contact Ross Video for more details.			
									² Via optional SFP HDMI Aux ports. HDMI input/output count dependent on number of populated SFP cages. Contact Ross Video for more details.			
LEGEND:	✓ = Supported ✗ = Unsupported		Specifications subject to change without notice									

IP INPUTS & OUTPUTS

ROSS		CARBONITE 3110 SOLO				GRAPHITE			CARBONITE Ultra	CARBONITE Ultra ⁶⁰	Ultrix CARBONITE												
		SOLO	CBF 109	SOLO 13	CBF 113	GRAPHITE	GRAPHITE PPC	GRAPHITE CPC	CARBONITE ULTRA	CARBONITE ULTRA 60	FR2			FR5			FR12						
										NOTE: Support for SD formats available late 2023	NOTE: Figures below represent Ultrix Carbonite ST-2110 Inputs and Outputs												
		SD/HD	SD/HD	SD/HD	SD/HD	SD/HD	SD/HD	SD/HD	SD/HD/UHD	SD/HD/UHD	HD	UHD	UHD	HD	UHD	UHD	HD	UHD	UHD				
SDI Inputs/Outputs	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	1 SDPE	1 SDPE	1 SDPE	1 SDPE	1 SDPE	1 SDPE	1 SDPE	1 SDPE	1 SDPE				
											2 IP-IO/IPX-IO	2 IP-IO	2 IPX-IO	8 IP-IO/IPX-IO	8 IP-IO	8 IPX-IO	15 IP-IO/IPX-IO	15 IP-IO	15 IPX-IO				
											2022-6	2022-6	2022-7	2022-6	2022-7	2022-6	2022-7	2022-6	2022-7	2022-6	2022-6	2022-7	
											32 + 32 ¹	8 + 8 ¹	16 ¹	16 ¹	127 + 127 ¹	32 + 32 ¹	64 ¹	64 ¹	240 + 240 ¹	60 + 60 ¹	120 ¹	120 ¹	
											2 SDPE	2 SDPE	2 SDPE	2 SDPE	2 SDPE	2 SDPE	2 SDPE	2 SDPE	2 SDPE	2 SDPE	2 SDPE	2 SDPE	
											1 IP-IO/IPX-IO	1 IP-IO	1 IPX-IO	7 IP-IO/IPX-IO	7 IP-IO	7 IPX-IO	14 IP-IO/IPX-IO	14 IP-IO	14 IPX-IO				
											2022-6	2022-6	2022-7	2022-6	2022-7	2022-6	2022-6	2022-7	2022-6	2022-6	2022-7	2022-6	2022-7
											16 + 16 ¹	4 + 4 ¹	8 ¹	8 ¹	111 + 111 ¹	28 + 28 ¹	56 ¹	56 ¹	224 + 224 ¹	56 + 56 ¹	112 ¹	112 ¹	
											3 SDPE	3 SDPE	3 SDPE	3 SDPE	3 SDPE	3 SDPE	3 SDPE	3 SDPE	3 SDPE	3 SDPE	3 SDPE	3 SDPE	
											6 IP-IO/IPX-IO	6 IP-IO	6 IPX-IO	13 IP-IO/IPX-IO	13 IP-IO	13 IPX-IO							
											2022-6	2022-6	2022-7	2022-6	2022-7	2022-6	2022-6	2022-7	2022-6	2022-6	2022-7	2022-6	2022-7
											95 + 95 ¹	24 + 24 ¹	48 ¹	48 ¹	208 + 208 ¹	52 + 52 ¹	104 ¹	104 ¹					
											4 SDPE	4 SDPE	4 SDPE	4 SDPE	4 SDPE	4 SDPE	4 SDPE	4 SDPE	4 SDPE	4 SDPE	4 SDPE	4 SDPE	
											5 IP-IO/IPX-IO	5 IP-IO	5 IPX-IO	12 IP-IO/IPX-IO	12 IP-IO	12 IPX-IO							
											2022-6	2022-6	2022-7	2022-6	2022-7	2022-6	2022-6	2022-7	2022-6	2022-6	2022-7	2022-6	2022-7
											79 + 79 ¹	20 + 20 ¹	40 ¹	40 ¹	192 + 192 ¹	48 + 48 ¹	96 ¹	96 ¹					
											5 SDPE	5 SDPE	5 SDPE	5 SDPE	5 SDPE	5 SDPE	5 SDPE	5 SDPE	5 SDPE	5 SDPE	5 SDPE	5 SDPE	
											11 IP-IO/IPX-IO	11 IP-IO	11 IPX-IO	11 IPX-IO	11 IP-IO	11 IPX-IO							
											2022-6	2022-6	2022-7	2022-6	2022-7	2022-6	2022-6	2022-7	2022-6	2022-6	2022-7	2022-6	2022-7
											176 + 176 ¹	44 + 44 ¹	88 ¹	88 ¹									
											6 SDPE	6 SDPE	6 SDPE	6 SDPE	6 SDPE	6 SDPE	6 SDPE	6 SDPE	6 SDPE	6 SDPE	6 SDPE	6 SDPE	
											10 IP-IO/IPX-IO	10 IP-IO	10 IPX-IO	10 IPX-IO	10 IP-IO	10 IPX-IO							
											2022-6	2022-6	2022-7	2022-6	2022-7	2022-6	2022-6	2022-7	2022-6	2022-6	2022-7	2022-6	2022-7
											160 + 160 ¹	40 + 40 ¹	80 ¹	80 ¹									
											7 SDPE	7 SDPE	7 SDPE	7 SDPE	7 SDPE	7 SDPE	7 SDPE	7 SDPE	7 SDPE	7 SDPE	7 SDPE	7 SDPE	
											9 IP-IO/IPX-IO	9 IP-IO	9 IPX-IO	9 IPX-IO	9 IP-IO	9 IPX-IO							
											2022-6	2022-6	2022-7	2022-6	2022-7	2022-6	2022-6	2022-7	2022-6	2022-6	2022-7	2022-6	2022-7
											144 + 144 ¹	36 + 36 ¹	72 ¹	72 ¹									
											8 SDPE	8 SDPE	8 SDPE	8 SDPE	8 SDPE	8 SDPE	8 SDPE	8 SDPE	8 SDPE	8 SDPE	8 SDPE	8 SDPE	
											8 IP-IO/IPX-IO	8 IP-IO	8 IPX-IO	8 IPX-IO	8 IP-IO	8 IPX-IO							
											2022-6	2022-6	2022-7	2022-6	2022-7	2022-6	2022-6	2022-7	2022-6	2022-6	2022-7	2022-6	2022-7
											128 + 128 ¹	32 + 32 ¹	64 ¹	64 ¹									
											9 SDPE	9 SDPE	9 SDPE	9 SDPE	9 SDPE	9 SDPE	9 SDPE	9 SDPE	9 SDPE	9 SDPE	9 SDPE	9 SDPE	
											7 IP-IO/IPX-IO	7 IP-IO	7 IPX-IO	7 IPX-IO	7 IP-IO	7 IPX-IO							
											2022-6	2022-6	2022-7	2022-6	2022-7	2022-6	2022-6	2022-7	2022-6	2022-6	2022-7	2022-6	2022-7
											112 + 112 ¹	28 + 28 ¹	56 ¹	56 ¹									
											10 SDPE	10 SDPE	10 SDPE	10 SDPE	10 SDPE	10 SDPE	10 SDPE	10 SDPE	10 SDPE	10 SDPE	10 SDPE	10 SDPE	
											6 IP-IO/IPX-IO	6 IP-IO	6 IPX-IO	6 IPX-IO	6 IP-IO	6 IPX-IO							
											2022-6	2022-6	2022-7	2022-6	2022-7	2022-6	2022-6	2022-7	2022-6	2022-6	2022-7	2022-6	2022-7
											96 + 96 ¹	24 + 24 ¹	48 ¹	48 ¹									
											11 SDPE	11 SDPE	11 SDPE	11 SDPE	11 SDPE	11 SDPE	11 SDPE	11 SDPE	11 SDPE	11 SDPE	11 SDPE	11 SDPE	
											5 IP-IO/IPX-IO	5 IP-IO	5 IPX-IO	5 IPX-IO	5 IP-IO	5 IPX-IO							
											2022-6	2022-6	2022-7	2022-6	2022-7	2022-6	2022-6	2022-7	2022-6	2022-6	2022-7	2022-6	2022-7
											80 + 80 ¹	20 + 20 ¹	40 ¹	40 ¹									
											12 SDPE	12 SDPE	12 SDPE	12 SDPE	12 SDPE	12 SDPE	12 SDPE	12 SDPE	12 SDPE	12 SDPE	12 SDPE	12 SDPE	
											4 IP-IO/IPX-IO	4 IP-IO	4 IPX-IO	4 IPX-IO	4 IP-IO	4 IPX-IO							
											2022-6	2022-6	2022-7	2022-6	2022-7	2022-6	2022-6	2022-7	2022-6	2022-6	2022-7	2022-6	2022-7
											64 + 64 ¹	16 + 16 ¹	32 ¹	32 ¹									
13 SDPE	13 SDPE	13 SDPE	13 SDPE	13 SDPE	13 SDPE	13 SDPE	13 SDPE	13 SDPE	13 SDPE	13 SDPE	13 SDPE												
3 IP-IO/IPX-IO	3 IP-IO	3 IPX-IO	3 IPX-IO	3 IP-IO	3 IPX-IO																		
2022-6	2022-6	2022-7	2022-6	2022-7	2022-6	2022-6	2022-7	2022-6	2022-6	2022-7	2022-6	2022-7											
48 + 48 ¹	12 + 12 ¹	24 ¹	24 ¹																				
14 SDPE	14 SDPE	14 SDPE	14 SDPE	14 SDPE	14 SDPE	14 SDPE	14 SDPE	14 SDPE	14 SDPE	14 SDPE	14 SDPE												
2 IP-IO/IPX-IO	2 IP-IO	2 IPX-IO	2 IPX-IO	2 IP-IO	2 IPX-IO																		
2022-6	2022-6	2022-7	2022-6	2022-7	2022-6	2022-6	2022-7	2022-6	2022-6	2022-7	2022-6	2022-7											
32 + 32 ¹	8 + 8 ¹	16 ¹	16 ¹																				
15 SDPE	15 SDPE	15 SDPE	15 SDPE	15 SDPE	15 SDPE	15 SDPE	15 SDPE	15 SDPE	15 SDPE	15 SDPE	15 SDPE												
1 IP-IO/IPX-IO	1 IP-IO	1 IPX-IO	1 IPX-IO	1 IP-IO	1 IPX-IO																		
2022-6	2022-6	2022-7	2022-6	2022-7	2022-6	2022-6	2022-7	2022-6	2022-6	2022-7	2022-6	2022-7											
16 + 16 ¹	4 + 4 ¹	8 ¹	8 ¹																				

LEGEND:

✔ = Supported

✗ = Unsupported

Assumes available slots are fully populated with IP-IO or IPX-IO boards. FR2 frame also contains one fixed SDI I/O board which can provide up to an additional eighteen (18) SDI inputs.

NOTE: Each SDPE blade = one (1) Carbonite switcher which can access the router I/O matrix in groups of up to eighteen (18). An additional four (4) SDI inputs and outputs are directly available on the SDPE blade.

Mixed I/O board complement will result in different matrix sizes. Contact Ross Video for more details.

Specifications subject to change without notice

FRAME FEATURES (SD/HD)												
ROSS	CARBONITE 3740X SOLO				GRAPHITE			CARBONITE Ultra	CARBONITE Ultra ⁶⁰	Ultrix CARBONITE		
	SOLO	CBF 109	SOLO 13	CBF 113	GRAPHITE	GRAPHITE PPC	GRAPHITE CPC	CARBONITE ULTRA	CARBONITE ULTRA 60	FR2	FR5	FR12
									NOTE: Support for SD formats available late 2023			
ME Banks	1	1	1	1	1 or 2	1 or 2	3	1, 2 or 3 (4-Keyer Mode) 2 (6-Keyer Mode) ¹	3	1, 2 or 3 per SDPE Blade	1, 2 or 3 per SDPE Blade	1, 2 or 3 per SDPE Blade
MiniME Banks	2 (Gen 1) ²	2 (Gen 1) ²	2 (Gen 1) ²	2 (Gen 1) ²	4 (Gen 1) ²	4 (Gen 1) ²	✗	4 (Gen 2) ³	4 (Gen 2) ³	4 (Gen 2) ³ per SDPE Blade (1 or 2 ME modes only) ⁴	4 (Gen 2) ³ per SDPE Blade (1 or 2 ME modes only) ⁴	4 (Gen 2) ³ per SDPE Blade (1 or 2 ME modes only) ⁴
Keyers per ME	5 (4 Full + 1 Transition Keyer)	5 (4 Full + 1 Transition Keyer)	5 (4 Full + 1 Transition Keyer)	5 (4 Full + 1 Transition Keyer)	5 (4 Full + 1 Transition Keyer)	5 (4 Full + 1 Transition Keyer)	6 (Full Keyers)	5 (4 Full + 1 Transition Keyer (4-Keyer Mode) 7 (6 Full + 1 Transition Keyer (6-Keyer Mode) ¹	7 (6 Full + 1 Transition Keyer)	7 (6 Full + 1 Transition Keyer)	7 (6 Full + 1 Transition Keyer)	7 (6 Full + 1 Transition Keyer)
Keyers per MiniME	2	2	2	2	2	2	✗	2	2	2 (1 or 2 ME modes only) ⁴	2 (1 or 2 ME modes only) ⁴	2 (1 or 2 ME modes only) ⁴
2D DVEs	2	2	2	2	4	4	See note ⁵	8	12	12	12	12
DVE Border Y-Perspective	✗	✗	✗	✗	✗	✗	✗	✓	✓	✓	✓	✓
UltraChrome Chroma Keyers	1	1	1	1	2	2	✗	4	4	4	4	4
UltraScene Advanced Compositing Engine	✗	✗	✗	✗	✗	✗	✗	4 pairs	4 pairs	4 pairs	4 pairs	4 pairs
Sequencer	✗	✗	✗	✗	✗	✗	✗	5	5	5	5	5
Portrait Rotation Mode	✗	✗	✗	✗	✗	✗	✗	3 Outputs	Up to 15	✗	✗	✗
Input FSFC	6	6	6	6	6	6	✗	Up to 24	Up to 60	Up to 22	Up to 22	Up to 22
Input Colour Correctors/ Proc Amps	✗	✗	✗	✗	✗	✗	✗	Up to 24	Up to 60	Up to 22	Up to 22	Up to 22
Input SDR <=> HDR Conversion	✗	✗	✗	✗	✗	✗	✗	Up to 24	Up to 60	Up to 22	Up to 22	Up to 22
Input Rec 709 <=> Rec 2020 Conversion	✗	✗	✗	✗	✗	✗	✗	Up to 24	Up to 60	Up to 22	Up to 22	Up to 22
Output FC	✗	✗	✗	✗	✗	✗	✗	Up to 10	Up to 10	✗	✗	✗
Output SDR <=> HDR Conversion	✗	✗	✗	✗	✗	✗	✗	Up to 10	Up to 20	✗	✗	✗
Output Rec 709 <=> Rec 2020 Conversion	✗	✗	✗	✗	✗	✗	✗	Up to 10	Up to 20	✗	✗	✗
I/O MultiViewers	✗	✗	✗	✗	✗	✗	✗	Up to 2	Up to 5	Ultriscap (Up to 3 per HDB/SFP or 2 per IP blade)	Ultriscap (Up to 3 per HDB/SFP or 2 per IP blade)	Ultriscap (Up to 3 per HDB/SFP or 2 per IP blade)
Production MultiViewers	1	1	1	1	2	2	1	Up to 2	2	2	2	2
MultiViewer Timers	✗	✗	✗	✗	✗	✗	✗	5	10	Ultriscap	Ultriscap	Ultriscap
Global MediaStores	4 x video or 2 x video/key	4 x video or 2 x video/key	4 x video or 2 x video/key	4 x video or 2 x video/key	4 x video or 2 x video/key	4 x video or 2 x video/key	✗	4 x video or video/key	8 x video or video/key	4 x video or video/key	4 x video or video/key	4 x video or video/key
Audio MediaStore	MediaStore 1 & 2	MediaStore 1 & 2	MediaStore 1 & 2	MediaStore 1 & 2	MediaStore 1 & 2	MediaStore 1 & 2	✗	MediaStore 1 & 2	MediaStore 1 & 2	MediaStore 1 & 2	MediaStore 1 & 2	MediaStore 1 & 2
MediaStore RAM Capacity	8GB (Shared)	8GB (Shared)	8GB (Shared)	8GB (Shared)	2GB (Shared)	2GB (Shared)	N/A	8GB (Shared)	12GB (Shared)	8GB (Shared)	8GB (Shared)	8GB (Shared)
USB Media Player	✓ ⁶	✓ ⁶	✓ ⁶	✓ ⁶	✗	✗	✗	✓ ⁶	✗	✓ ⁶	✓ ⁶	✓ ⁶
Internal SSD Capacity	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	1TB (800GB User-accessible)	N/A	N/A	N/A
¹ 6-Keyer Mode requires CUF-ADD-ME3 License. Contact Ross Video for more details												
² Gen 1 MiniME Banks provide one (1) DVE Keyer and one (1) full-function keyer												
³ Gen 2 MiniME Banks provide two (2) full-function keyers												
⁴ MiniMEs not available in 3 ME mode												
⁵ Dependent on available XPression resources												
⁶ Supported for certain resolutions, frame rates, and file formats only. Contact Ross Video for specifications												
LEGEND:	✓ = Supported ✗ = Unsupported	Specifications subject to change without notice										

FRAME FEATURES (SD/HD)												
ROSS	CARBONITE 3 BACK SOLO				GRAPHITE			CARBONITE Ultra	CARBONITE Ultra ⁶⁰	Ultrix CARBONITE		
	SOLO	CBF 109	SOLO 13	CBF 113	GRAPHITE	GRAPHITE PPC	GRAPHITE CPC	CARBONITE ULTRA	CARBONITE ULTRA 60	FR2	FR5	FR12
									NOTE: Support for SD formats available late 2023			
Audio Mixer	✗	✗	✗	✗	✓	✓	✓	✓	✓	Ultrimix	Ultrimix	Ultrimix
Audio Aux Mix Reentry	✗	✗	✗	✗	✓	✓	✗	✓	✗	✗	✗	✗
Multiple AFV Source Triggers	✗	✗	✗	✗	✓	✓	✗	✓	✓	✗	✗	✗
Memory/Custom Control Export	✗	✗	✗	✗	✓ ¹	✓ ¹	✗	✓ ¹	✓ ¹	✓ ¹	✓ ¹	✓ ¹
Dual GPI Events	✗	✗	✗	✗	✓	✓	✗	✓	✓	✓	✓	✓
Frame Simulator (DashBoard)	✗	✗	✗	✗	✓	✓	✗	✓	✓	✓	✓	✓
Ross Platform Manager (RPM) Support	✗	✗	✗	✗	✗	✗	✗	✓	✓	✓	✓	✓
XPression LivcCG	✓	✓	✓	✓	✗	✗	✗	✓	✓	✓	✓	✓
XPression Prime	✗	✗	✗	✗	✓	✓	✓	✗	✗	✗	✗	✗
¹ Export function supported for Graphite, Carbonite Ultra, Carbonite Ultra 60, and Ultrix Carbonite only												
LEGEND: ✓ = Supported ✗ = Unsupported		Specifications subject to change without notice										

FRAME FEATURES (UHD)												
ROSS	CARBONITE 3 BACK SOLO				GRAPHITE			CARBONITE Ultra	CARBONITE Ultra ⁶⁰	Ultrix CARBONITE		
	SOLO	CBF 109	SOLO 13	CBF 113	GRAPHITE	GRAPHITE PPC	GRAPHITE CPC	CARBONITE ULTRA	CARBONITE ULTRA 60	FR2	FR5	FR12
ME Banks	✗	✗	✗	✗	✗	✗	✗	1 or 2	Up to 3	1 or 2 per SDPE Blade	1 or 2 per SDPE Blade	1 or 2 per SDPE Blade
MiniME Banks	✗	✗	✗	✗	✗	✗	✗	2 (Gen 2) ¹	2 (Gen 2) ¹	2 (Gen 2) ¹ per SDPE Blade	2 (Gen 2) ¹ per SDPE Blade	2 (Gen 2) ¹ per SDPE Blade
Keyers per ME	✗	✗	✗	✗	✗	✗	✗	5 (4 Full + 1 Transition Keyer)	5 (4 Full + 1 Transition Keyer)	7 (6 Full + 1 Transition Keyer)	7 (6 Full + 1 Transition Keyer)	7 (6 Keyers + 1 Transition Keyer)
Keyers per MiniME	✗	✗	✗	✗	✗	✗	✗	2	2	2	2	2
2D DVEs	✗	✗	✗	✗	✗	✗	✗	4	6	6	6	6
DVE Border Y-Perspective	✗	✗	✗	✗	✗	✗	✗	✓	✓	✓	✓	✓
UltraChrome Chroma Keyers	✗	✗	✗	✗	✗	✗	✗	2	2	2	2	2
UltraScene Advanced Compositing Engine	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
Sequencer	✗	✗	✗	✗	✗	✗	✗	5	5	5	5	5
Portrait Rotation Mode	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
Input FSFC	✗	✗	✗	✗	✗	✗	✗	Up to 7	Up to 40	Up to 4	Up to 4	Up to 4
Input Colour Correctors/ Proc Amps	✗	✗	✗	✗	✗	✗	✗	Up to 8	Up to 20	Up to 4	Up to 4	Up to 4
Input SDR <> HDR Conversion	✗	✗	✗	✗	✗	✗	✗	Up to 8	Up to 20	Up to 4	Up to 4	Up to 4
Input Rec 709 <> Rec 2020 Conversion	✗	✗	✗	✗	✗	✗	✗	Up to 8	Up to 20	Up to 4	Up to 4	Up to 4
¹ Gen 2 MiniME Banks provide two (2) full-function keyers												
LEGEND: ✓ = Supported ✗ = Unsupported		Specifications subject to change without notice										

FRAME FEATURES (UHD)													
ROSS		CARBONITE 3740 SOLO				GRAPHITE			CARBONITE Ultra	CARBONITE Ultra ⁶⁰	Ultrix CARBONITE		
		SOLO	CBF 109	SOLO 13	CBF 113	GRAPHITE	GRAPHITE PPC	GRAPHITE CPC	CARBONITE ULTRA	CARBONITE ULTRA 60	FR2	FR5	FR12
Output FC		✗	✗	✗	✗	✗	✗	✗	Up to 4	Up to 20	✗	✗	✗
Output SDR <=> HDR Conversion		✗	✗	✗	✗	✗	✗	✗	Up to 4	Up to 20	✗	✗	✗
Output Rec 709 <=> Rec 2020 Conversion		✗	✗	✗	✗	✗	✗	✗	Up to 4	Up to 20	✗	✗	✗
I/O MultiViewers		✗	✗	✗	✗	✗	✗	✗	Up to 1	Up to 5	Ultriscap (Up to 3 per HDB/SFP or 2 per IP blade)	Ultriscap (Up to 3 per HDB/SFP or 2 per IP blade)	Ultriscap (Up to 3 per HDB/SFP or 2 per IP blade)
Production MultiViewers		✗	✗	✗	✗	✗	✗	✗	1	1	1	1	1
MultiViewer Timers		✗	✗	✗	✗	✗	✗	✗	5	10	Ultriscap	Ultriscap	Ultriscap
MediaStores		✗	✗	✗	✗	✗	✗	✗	2 x video or video/key	8 x video or video/key	4 x video or video/key	4 x video or video/key	4 x video or video/key
Audio MediaStore		✗	✗	✗	✗	✗	✗	✗	MediaStore 1 & 2	MediaStore 1 & 2	MediaStore 1 & 2	MediaStore 1 & 2	MediaStore 1 & 2
MediaStore RAM Capacity		8GB (Shared)	8GB (Shared)	8GB (Shared)	8GB (Shared)	2GB (Shared)	2GB (Shared)	N/A	8GB (Shared)	12GB (Shared)	8GB (Shared)	8GB (Shared)	8GB (Shared)
USB Media Player		✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
Internal SSD Capacity		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	1TB (800GB User-accessible)	N/A	N/A	N/A
Audio Mixer		✗	✗	✗	✗	✗	✗	✗	✓	✓	Ultrimix	Ultrimix	Ultrimix
Audio Aux Mix Re-Entry		✗	✗	✗	✗	✗	✗	✗	✓	✗	✗	✗	✗
Multiple AFV Source Triggers		✗	✗	✗	✗	✗	✗	✗	✓	✓	✗	✗	✗
Memory/Custom Control Export		✗	✗	✗	✗	✗	✗	✗	✓ ¹	✓ ¹	✓ ¹	✓ ¹	✓ ¹
Dual GPI Events		✗	✗	✗	✗	✗	✗	✗	✓	✓	✓	✓	✓
Frame Simulator (DashBoard)		✗	✗	✗	✗	✗	✗	✗	✓	✓	✓	✓	✓
Ross Platform Manager (RPM) Support		✗	✗	✗	✗	✗	✗	✗	✓	✓	✓	✓	✓
XPression LivcCG		✓	✓	✓	✓	✗	✗	✗	✓	✓	✓	✓	✓
XPression Prime		✗	✗	✗	✗	✓	✓	✓	✗	✗	✗	✗	✗
		¹ Export function supported for Graphite, Carbonite Ultra, Carbonite Ultra 60, and Ultrix Carbonite only											
LEGEND:	✓ = Supported ✗ = Unsupported	Specifications subject to change without notice											

SUPPORTED PROTOCOLS												
ROSS	CARBONITE 3-TACK SOLO				GRAPHITE			CARBONITE Ultra	CARBONITE Ultra ⁶⁰	Ultrix CARBONITE		
	SOLO	CBF 109	SOLO 13	CBF 113	GRAPHITE	GRAPHITE PPC	GRAPHITE CPC	CARBONITE ULTRA	CARBONITE ULTRA 60	FR2	FR5	FR12
INBOUND												
RossTalk	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
OverDrive / Caprica	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
TSL 3.1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
TSL 5.0	✗	✗	✗	✗	✗	✗	✗	✓	✓	✓	✓	✓
GVG 100/110	✓	✓	✓	✓	✓	✓	✗	✓	✓	✓	✓	✓
GVG 200, 4000	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
OUTBOUND												
AMP	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
RossTalk	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
TSL 3.1	✓	✓	✓	✓	✓	✓	✗	✓	✓	✓	✓	✓
TSL 5.0	✗	✗	✗	✗	✗	✗	✗	✓	✓	✓	✓	✓
Ross CamBot	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Visca (Serial)	✓	✓	✓	✓	✓	✓	✗	✓	✓	✓	✓	✓
Canon BU series	✓	✓	✓	✓	✓	✓	✗	✓	✓	✓	✓	✓
PBUS II	✓	✓	✓	✓	✓	✓	✗	✓	✓	✓	✓	✓
VDCP	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
LEGEND:	✓ = Supported ✗ = Unsupported		Specifications subject to change without notice									

		RAVE AUDIO FEATURES			XPRESSION GRAPHITE FEATURES						
ROSS		RAVE			XPression Graphite					XPression Clips	
					GRAPHITE	GRAPHITE PPC	GRAPHITE CPC		PRIME	STUDIO SINGLE	STUDIO DUAL
Stereo Faders		48	48	8, 12, or 18	Scene/Template Designer	✓	✓	✓	✓	Dedicated Playback Server Channels	2
Fader Volume		-∞db to + 20db	-∞db to + 20db	-∞db to + 20db	Playout Sequencer	✓	✓	✓	✓	Dedicated Ingest Server Channels	1
Pre/Post-Fade Meters		✓	✓	✓	2D/3D Fonts	✓	✓	✓	✓	Crash Record	✓
Pre/Post-Fade Peak Indicators		✓	✓	✓	Arabic, Asian & Scripted Font Support	✓	✓	✓	✓	Still Video Input Grabber	✓
Per Channel Mute, Solo, & Pre-Fade Listen (PFL)		✓	✓	✓	3D Primitives	✓	✓	✓	✓	Single-Channel Transitions	✓
Per Channel Mute, Solo, & PFL Clear		✓	✓	✓	3D Model Support	✗	✓	✓	✓	Clip Trimming	✓
Per Channel Balance Controls (Stereo Inputs)		✓	✓	✓	Template Video Clip Support	✓	✓	✓	✓	Subclipping	✓
Per Channel Pan Controls (Mono Inputs)		✓	✓	✓	Project Video Format Conversion	✓	✓	✓	✓	Clip Database Management	✓
Per Channel Audio Follow Video mode (AFV)		✓	✓	✓	Animation Timeline	✓	✓	✓	✓	Preview/Program Operation	✓
Multiple AFV Triggers per Channel		✓	✓	✓	Graphical Keyframe Editor	✓	✓	✓	✓	AMP Control	✓
Aux Mixers		12	12	2, 4, or 6	Continuous Animations	✓	✓	✓	✓		
Audio Aux Mix Reentry		✓	✓	✓	Stagger Animations	✓	✓	✓	✓		
LEGEND:	✓ = Supported ✗ = Unsupported	Specifications subject to change without notice									

		RAVE AUDIO FEATURES			XPRESSION GRAPHITE FEATURES				
ROSS		RAVE			XPression Graphite				
		GRAPHITE	GRAPHITE PPC	GRAPHITE CPC		PRIME	STUDIO SINGLE	STUDIO DUAL	STUDIO FLEX
Per-Channel EQ & Clip Indicators		✓	✓	✓	Transition Logic	✗	✓	✓	✓
Per Channel EQ Control		4-band (high-shelf, dual midrange, low-shelf)	4-band (high-shelf, dual midrange, low-shelf)	4-band (high-shelf, dual midrange, low-shelf)	Visual Logic	✓	✓	✓	✓
Per Channel Compression/Limiting (Assignable pre- or post-EQ)		Variable Threshold, Compression, Attack, Release & Makeup	Variable Threshold, Compression, Attack, Release & Makeup	Variable Threshold, Compression, Attack, Release & Makeup	XPression Video Codec License	✓	✓	✓	✓
Per Channel Noise Gate Controls		Variable Threshold, Depth, Reduction, Attack, Hold & Release	Variable Threshold, Depth, Reduction, Attack, Hold & Release	Variable Threshold, Depth, Reduction, Attack, Hold & Release	XPression Video Coder Application	✓	✓	✓	✓
Per Channel Ducking Controls		Variable Threshold, Depth, Mix Reduction, Attack, Hold & Release	Variable Threshold, Depth, Mix Reduction, Attack, Hold & Release	Variable Threshold, Depth, Mix Reduction, Attack, Hold & Release	.NET Based Scripting	✗	✓	✓	✓
Per Channel Talkback Controls		Variable Threshold, Depth, Mix Reduction, Attack, Hold & Release	Variable Threshold, Depth, Mix Reduction, Attack, Hold & Release	Variable Threshold, Depth, Mix Reduction, Attack, Hold & Release	.NET / COM Automation API	✗	✓	✓	✓
Mono Mode		Duplication of Mono channel (L or R) to create L-L / R-R channel pair	Duplication of Mono channel (L or R) to create L-L / R-R channel pair	Duplication of Mono channel (L or R) to create L-L / R-R channel pair	Virtual Cameras	✓	✓	✓	✓
Maximum Embedded Audio Input Channels		16 per SDI Input	16 per SDI Input	16 per SDI Input	Live Input Shader (Apply Live Video to Surfaces)	✓	✓	✓	✓
Maximum Embedded Audio Output Channels		16 per SDI Output	16 per SDI Output	16 per SDI Output	Render To AVI Output	✓	✓	✓	✓
16-Channel Sample Rate Converters		Available on SDI inputs 1 - 6	Available on SDI inputs 1 - 6	✗	Export Template to Image/Video File	✓	✓	✓	✓
DashBoard Control		✓	✓	✓	Maximum Video Input Channels	1	1	2	4
External MIDI Control		Behringer X-Touch Mini, Compact or compatible	Behringer X-Touch Mini, Compact or compatible	✗	Maximum Video Preview Channels	0	1	2	2
		NOTE: RAVE Audio optional for Graphite, Carbonite Ultra, and Carbonite Ultra 60 only.			Virtual Preview Channels (up next & look-ahead)	2 Per Channel	2 Per Channel	2 Per Channel	2 Per Channel
					Maximum Output Channels (fill + key)	1	1	2	4
					Output Format Set by Switcher	✓	✓	✓	✓
					Maximum Embedded Audio Channels	16	16	16	16
					AES Audio	✓	✓	✓	✓
					Video Bypass (Hardware Failure & Software Watchdog)	✓ ¹	✓ ¹	✓ ¹	✓ ¹
					GPI Contact Closure	✓ ¹	✓ ¹	✓ ¹	✓ ¹
					Keyboard/GPI Mapping	✓	✓	✓	✓
					Custom Keyboard Support	✓	✓	✓	✓
					Multi-Channel Editions Available	✓	✓	✓	✓
					Advanced Workflow Tools Available	✓	✓	✓	✓
					¹ Graphite & Graphite PPC only				
		LEGEND:		✓ = Supported ✗ = Unsupported		Specifications subject to change without notice			

PANEL COMPATIBILITY														
ROSS		DIMENSIONS	CARBONITE	CARBONITE BLACK SOLO				GRAPHITE			CARBONITE BLACK	CARBONITE Ultra	CARBONITE Ultra⁶⁰	Ultrix CARBONITE
		WIDTH x HEIGHT	ALL MODELS	SOLO	CBF 109	SOLO 13	CBF 113	GRAPHITE	GRAPHITE PPC	GRAPHITE OPC	ALL MODELS	CARBONITE ULTRA	CARBONITE ULTRA 60	ALL MODELS
C10 (CPS-1012)		15.85 x 10.77 (in.) 402.59 x 273.56 (mm)	✓	✗	✓ ^{1, 2}	✗	✓ ^{1, 2}	✓ ¹	✓ ¹	✗	✓	✗	✗	✗
C1 (CPS-1016)		21.70 x 10.76 (in.) 551.18 x 273.30 (mm)	✓	✗	✓ ^{1, 2}	✗	✓ ^{1, 2}	✓ ¹	✓ ¹	✗	✓	✗	✗	✗
C1A		24.70 x 12.49 (in.) 627.38 x 316.99 (mm)	✓	✗	✓ ^{1, 2}	✗	✓ ^{1, 2}	✓ ¹	✓ ¹	✗	✓	✓ ¹	✓ ¹	✓ ¹
C1M		29.77 x 12.48 (in.) 756.16 x 316.99 (mm)	✓	✗	✓ ^{1, 2}	✗	✓ ^{1, 2}	✓ ¹	✓ ¹	✗	✓	✓ ¹	✓ ¹	✓ ¹
C2		24.71 x 18.24 (in.) 627.63 x 463.30 (mm)	✓	✗	✓ ^{1, 2}	✗	✓ ^{1, 2}	✓ ¹	✓ ¹	✗	✓	✓ ¹	✓ ¹	✓ ¹
C2M		29.77 x 18.23 (in.) 756.16 x 463.04 (mm)	✓	✗	✓ ^{1, 2}	✗	✓ ^{1, 2}	✓ ¹	✓ ¹	✗	✓	✓ ¹	✓ ¹	✓ ¹
C2S		33.74 x 18.25 (in.) 857.00 x 463.55 (mm)	✓	✗	✓ ^{1, 2}	✗	✓ ^{1, 2}	✓ ¹	✓ ¹	✗	✓	✓ ¹	✓ ¹	✓ ¹
C2X		39.48 x 18.25 (in.) 1002.70 x 463.55 (mm)	✓	✗	✓ ^{1, 2}	✗	✓ ^{1, 2}	✓ ¹	✓ ¹	✗	✓	✓ ¹	✓ ¹	✓ ¹
C3S		33.74 x 24.13 (in.) 857.00 x 612.90 (mm)	✓	✗	✓ ^{1, 2}	✗	✓ ^{1, 2}	✓ ¹	✓ ¹	✗	✓	✓ ¹	✓ ¹	✓ ¹
C3X		39.48 x 24.13 (in.) 1002.79 x 612.90 (mm)	✓	✗	✓ ^{1, 2}	✗	✓ ^{1, 2}	✓ ¹	✓ ¹	✗	✓	✓ ¹	✓ ¹	✓ ¹
CB9		16.20 x 10.06 (in.) 411.48 x 255.52 (mm)	✓	✗	✓	✗	✓	✓	✓	✓	✓ ³	✓	✓	✓
CB1		23.42 x 10.72 (in.) 594.87 x 272.29 (mm)	✓	✗	✓	✗	✓	✓	✓	✓	✓	✓	✓	✓
CB1S		32.51 x 10.72 (in.) 825.75 x 272.29 (mm)	✓	✗	✓	✗	✓	✓	✓	✓	✓	✓	✓	✓
CB2		23.42 x 16.24 (in.) 594.87 x 412.50 (mm)	✓	✗	✓	✗	✓	✓	✓	✓	✓	✓	✓	✓
CB2S		32.51 x 16.24 (in.) 825.75 x 412.50 (mm)	✓	✗	✓	✗	✓	✓	✓	✓	✓	✓	✓	✓
CB3S		32.51 x 21.76 (in.) 825.75 x 552.70 (mm)	✓	✗	✓	✗	✓	✓	✓	✓	✓	✓	✓	✓
CB3X		38.19 x 21.76 (in.) 970.02 x 552.70 (mm)	✓	✗	✓	✗	✓	✓	✓	✓	✓	✓	✓	✓
TD1C		17.50 x 12.91 (in.) 444.5 x 327.91 (mm)	✓	✗	✗	✗	✗	✓	✓	✓	✓	✓	✓	✓
TD1		28.29 x 10.08 (in.) 718.60 x 256.00 (mm)	✓	✗	✗	✗	✗	✓	✓	✓	✓	✓	✓	✓
TD2		28.29 x 16.31 (in.) 718.60 x 414.40 (mm)	✓	✗	✗	✗	✗	✓	✓	✓	✓	✓	✓	✓
TD2S		41.00 x 16.31 (in.) 1041.40 x 414.40 (mm)	✓	✗	✗	✗	✗	✓	✓	✓	✓	✓	✓	✓
TD3S		41.00 x 22.55 (in.) 1041.40 x 572.60 (mm)	✓	✗	✗	✗	✗	✓	✓	✓	✓	✓	✓	✓
TD3		58.36 x 20.22 (in.) 1482.40 x 513.60 (mm)	✓	✗	✗	✗	✗	✓	✓	✓	✓	✓	✓	✓
TD4		58.36 x 25.37 (in.) 1482.40 x 644.40 (mm)	✓	✗	✗	✗	✗	✓	✓	✓	✓	✓	✓	✓
		¹ Requires CarboNet Serial - Ethernet Adaptor. Contact Ross Video for details.												
		² Requires v. 2.0 or higher software. Contact Ross Video for details.												
		³ Requires v. 13.0 or higher software. Contact Ross Video for details.												
LEGEND:	✓ = Supported ✗ = Unsupported	Specifications subject to change without notice												