



NIAGARA® Comparison Chart

Streaming Media Encoders & Appliances

	Form Factor	Niagara		Niagara	GoStream	Niagara	Niagara	Niagara
		2100	2120	4100	SURF	8224	Pro II	7500
Physical		Portable/Rack Mount	Rack Mount	Rack Mount	Rack Mount	Rack Mount	Rack Mount	Rack Mount
Weight		4.9 lbs.	4.9 lbs.	7 lbs.	7 lbs.	45 lbs.	35 lbs.	35 lbs.
A/V Channels		1	1	1	1	8	2	3
Dimensions		1.75Hx7.5Wx11.5D	1.75Hx7.5Wx11.5D	4.5Hx8Wx12D	4.5Hx8Wx12D	2RUx17Wx24.5D	2RUx17Wx23D	2RUx17Wx22.5D
Category		Appliance	Appliance	Appliance	Appliance	System	Appliance	Appliance
Video Inputs	Composite BNC	1	1	-	1	8 (+24 Optional)	2	-
	Component BNC	1	1	-	1	8 Optional	-	-
	S-Video or Y/C	1	1	-	1	8 Optional	2	-
	SDI	-	-	1 (SD/HD)	-	-	2 (SD)	1 (SD/HD)
	Test Signal Feed BNC	-	-	-	-	-	1 (Channel switchable)	-
Video Monitoring	Composite RCA	-	-	-	-	-	2	-
	Video Presence Indicator	1	1	1	1	-	-	1
	Built-in Video Monitoring Display	-	-	-	-	-	1	1
	SDI Loopout	-	-	-	-	-	-	1
Audio Inputs	Unbalanced RCA	1 Pair	1 Pair	1 Pair	1 Pair	8 Pair	Adapters Included	1 Pair
	Unbalanced BNC	1 Pair	1 Pair	-	1 Pair	1 Pair (Optional)	2 Pair	-
	Balance XLR	-	-	1 Pair	-	-	2 Pair	1 Pair
	AES/EBU	-	-	3 Pair	-	-	2	2 Pair
	Embedded SDI	-	-	8 Pair	-	-	4 Pair	8 Pair
Audio Monitor Out	Stereo Heaphone Connection (3.5mm)	1	1	1	1	-	1 (Channel switchable)	1 Pair
	Unbalanced Stereo Line Level (RCA)	-	-	-	-	-	2 Pair	-
Video Input Signal	SDI SMPTE Standard	-	-	(SD/HD)	-	-	(SD)	(SD/HD)
	NTSC (M/M-J)	•	•	•	•	•	•	•
	PAL (B/D/G/H/I)	•	•	•	•	•	•	•
	SECAM(B/D/H/K/K1/L/L1)	•	•	•	•	•	•	•
Video Preprocessing	Deinterlace	•	•	•	•	•	•	•
	Gamma Correction	•	•	•	•	•	•	•
	Tuning Utilities (Vectorscope/Waveform)	•	•	•	•	•	•	•
	Cropping	•	•	•	•	•	•	•
	Scaling	•	•	•	•	•	•	•
	Bitmap Overlay	•	•	•	•	•	•	•
	Proc Amp (Bright, Contrast, Hue, Color)	•	•	•	•	•	•	•
Audio Preprocessing	32,44.1, 48kHz Sampling	•	•	-	•	•	•	-
	HW Gain With Attenuation	•	•	•	•	•	•	•
VBI	Closed Caption Extraction & Overlay	•	•	SD only	•	•	•	SD only
	Closed Caption to Text Output	•	•	-	•	•	•	-
Video File and Streaming Formats	Microsoft® Windows Media® (Silverlight®)	-	-	•	•	•	•	•
	RealNetworks® RealVideo®	-	-	-	•	-	-	-
	Adobe® Flash® File (H.264)	-	-	•	•	•	•	•
	AVI	-	-	-	•	•	•	-
	MPEG-4 Part 2	-	-	•	•	•	•	•
	MPEG-4 Part 10 (H.264)	-	-	•	•	•	•	•
	H.263	-	-	•	•	•	•	•
	Adobe® Flash® H.264	-	-	•	•	-	•	•
	Apple® HTTP live streaming	-	-	-	•	-	•	•
	Adobe® Flash® dynamic streaming	-	-	-	•	-	•	•
3GPP/3GPP2 container format for MPEG-4	-	-	•	•	-	•	•	
Audio Formats	Microsoft® Windows Media®	•	-	•	•	•	•	•
	RealNetworks® RealAudio®	-	-	-	•	-	-	-
	AVI	-	-	-	•	-	-	-
	AMR Narrowband	-	-	-	•	-	-	-
	AAC	-	-	-	•	-	-	-
MP3	-	-	•	•	-	-	•	
Supported Input Resolution	Up to Full Resolution	•	•	Up to 1080i 59.94	•	•	•	Up to 1080i 59.94
Software Included	Niagara SCX	•	•	•	•	•	•	•
	Niagara SCX Web Interface	•	•	•	•	•	•	•
	SimulStream	•	•	•	•	•	•	•
Power	AC	-	-	-	100-240 VAC	100-240 VAC	100-240 VAC	100-240 VAC
	12v DC	AC Adapter*	AC Adapter*	AC Adapter*	-	-	-	-
Compliance	FCC 47CFR Part 15 Class A	•	•	•	•	•	•	•
	CE Mark	•	•	•	•	•	•	•
	UL Listed	•	•	•	•	•	•	•
LAN Port	Gigabit Ethernet	2	2	2	2	3	2	2

*AC Adapter Included