

Niagara® Comparison Chart

Streaming Media Encoders & Appliances



		Niagara 2100 2120		GoStream SURF	Niagara 6226	Niagara 8224	Niagara Pro II	Niagara 7500
Physical	Form Factor	Portable		Portable	Rack Mount	Rack Mount	Rack Mount	Rack Mount
	Weight	4.9 lbs.		7 lbs.	40 lbs.	45 lbs.	35 lbs.	35 lbs.
	A/V Channels	1		1	2	8	2	1
	Dimensions	1.75x7.5Wx11.5D		4.5Hx8Wx12D	2RUx19Wx24.5D	2RUx19Wx24.5D	2RUx19Wx23D	2RUx17Wx22.5D
	Category	Appliance		Appliance	Integrated System	Integrated System	Appliance	Appliance
Video Inputs	Composite BNC	1	1	1	2	8 (+ 24 Optional)	2	-
	Component BNC	1	1	1	-	8 Optional	-	-
	S-Video or Y/C	1	1	1	2	8 Optional	2	-
	SDI	-	-	-	2	-	2 (SD)	1 (SD/HD)
	Test Signal Feed BNC	-	-	-	-	-	1 (Channel switchable)	-
Video Monitoring	Composite RCA	-	-	-	-	-	2	-
	Composite BNC	-	-	-	2	-	-	-
	S-Video Mini-DIN	-	-	-	2	-	-	-
	Video Presence Indicator	1	1	1	-	-	-	1
	Built-in Video Monitoring Display	-	-	-	-	-	1	1
SDI Loopout	-	-	-	-	-	-	1	
Audio Inputs	Unbalanced RCA	1 Pair	1 Pair	1 Pair	2 Pair	8 Pair	-	1 Pair
	Unbalanced BNC	-	-	-	-	-	2 Pair	-
	Balanced XLR	1 Pair	1 Pair	1 Pair	2 Pair	8 Pair (Optional)	2 Pair	1 Pair
	AES/EBU	-	-	-	2	-	2	2 Pair
	Embedded SDI	-	-	-	2	-	2	8 Pair
Audio Monitor Out	Stereo Heaphone Jack (3.5mm)	1	1	1	-	-	1 (Channel switchable)	1 Pair
	Unbalanced Stereo Line Level (RCA)	-	-	-	2 Pair	-	2 Pair	-
Video Input Signal	SDI SMPTE Standard	-	-	-	-	-	(SD)	(SD/HD)
	NTSC (M/M-J)	•	•	•	•	•	•	•
	PAL (B/D/G/H/I)	•	•	•	•	•	•	•
	SECAM (B/D/H/K/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	•	•	•	•	•	•	-
	Closed Caption to Text Output	•	•	•	•	•	•	-
Video File and Streaming Formats	Microsoft® Windows Media® (Silverlight™ compatible)	•	-	•	•	•	•	•
	RealNetworks® RealVideo®	-	-	•	•	•	•	-
	Adobe® Flash® File (v6)	-	-	•	•	•	•	-
	AVI	-	-	•	•	•	•	-
	MPEG-4 Part 2	-	-	•	Optional	•	•	-
	MPEG-4 Part 10 (H.264)	-	-	•	Optional	•	•	-
	H.263	-	-	•	Optional	•	•	-
Adobe Flash Live (On2 VP6)	-	-	•	-	-	-	-	
Adobe® Flash® H.264	-	•	-	-	-	-	•	
3GPP/3GPP2 container format	-	-	-	-	Optional	•	•	-
Audio Formats	Microsoft® Windows Media®	•	-	•	•	•	•	•
	RealNetworks® RealAudio®	-	-	•	•	•	•	-
	AVI	-	-	•	•	•	•	-
	AMR Narrowband	-	-	•	Optional	•	•	-
AAC	-	•	•	Optional	•	•	•	
Supported Resolution	Up to Full Resolution	•	•	•	•	•	•	Up to 1080i 59.94
Software Included	Niagara SCX	•	•	-	•	-	-	•
	Niagara SCX Pro	-	-	•	Optional	•	•	-
	Niagara SCX Web Interface	•	•	•	-	-	•	•
	SimulStream	•	•	•	•	•	•	•
Power	AC 12v DC	-	-	100-240 VAC	100-240 VAC	100-240 VAC	100-240 VAC	100-240 VAC
Compliance	FCC 47CFR Part 15 Class A	•	•	•	-	-	•	•
	CE Mark	•	•	•	-	-	•	•
	UL Listed	•	•	•	-	-	•	•
LAN Port	Gigabit Ethernet	2	2	2	2	2	2	2

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