Cascade IONM Family

Cascade Surgical Studio Software		IOMAX®	PRO
Modes	**Common Modes**	SSEP, EMG, TEMG, MEP, EEG, DWave, BAEP, VEP, TOF, Video	
	Automatic Threshold	✓	✓
	Direct Cortical Stimulation	✓	✗
	SpO$_2$	Up to 4	✗
Tools	**CadCapture**	✓	✓
	Diagnostics	✓	✓
	CadLink Server	✓	✓
	Switch User	✓	✓
	Comprehensive Data Export	✓	✓
	Impedance	Amplifier Inputs and Stimulator Outputs	Amplifier Inputs
	TCS Montaging	Software-Driven	Hardware-Driven
	CadX Simulator	✓	✓
Procedure Setup	**Mode Import/Export**	✓	✓
	MS Word Reports	✓	✓
	Mode Groups	✓	✓
Administration	**Group Chat**	✓	✓
	User Roles & Preferences	✓	✓
	Connected Users	✓	✓
	Audit Log	✓	✓

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Cascade Hardware	IQMAX®	PRO
Specifications		
Platform	Module-based with optional extender pods	Pod-based
Channels	Up to 80	16 or 32
Water Ingress	Waterproof and Drip-proof	Drip-proof
Drop-Tested	All components	Some components
Cables	Single cable type	Three cable types
Auditory	Insert Earphones	Insert Earphones or Headphones
Visual	Goggles with Disposable Foam	Goggles
PC Interface	USB	10BaseT
ESU Detection	Software Integrated with sensitivity adjustment	Detection Clip
Case	Hard-sided	Hard-sided or Soft-sided
Transcranial		
Intensity	Up to 1000 V / 1500 mA	Up to 1000 V / 1000 mA
Pulse Width	50-500 uS with automatically reduced intensity	50, 75 uS
Pulses	9	9
Mode	Constant Current or Constant Voltage	Constant Voltage
Double Train	✓	✓
Facilitation	✓	✓
Outputs	Nine Independently Configurable Outputs as Anode or Cathode	One or Four Fixed Pairs
Biphasic	✓	✗
EStim		
Intensity	100 mA / 400 V	100 mA / 400 V
Mode	Constant Current	Constant Current or Constant Voltage
Outputs	Up to 20	Up to 16
Low Current		
Intensity	Up to 20 mA	Up to 20 mA
Step Resolution	0.01 up to 20 mA	0.01 up to 5 mA then 0.1 steps
Operating Mode	Constant Current	Constant Current or Voltage
LCSwap	12 outputs selectable as anode or cathode and 2 output pairs for probe connections	✗