

Ovation Turnkey System Specifications



2U Chassis Turnkey System

Audio Specifications	Audio Format	Linear PCM 16/24 bits
	Sampling Rate	44.1, 48, 88.2, 96, 176.4, 192, 352.8 (DXD), 384 kHz, 2.8 MHz (DSD)
	Frequency Response	20Hz to 20kHz @ 48kHz / 150kHz @ 384kHz
	Dynamic Range	> 144 dB
Audio I/O Specifications	Headphone	1 Stereo Out Mini Jack (3.5mm - 1/8")
	DUAL I/O Option	Analog In (@ 44.1/48kHz only): 2 Mic/Line In (48V Phantom Power) + 2 Line In (Balanced, Maximum Input Level +20dBu) Analog Out (@ 44.1/48kHz only): 4 Line Out (Balanced, Output Level Selectable from -10dBV to +18dBu) Digital: 8 AES-EBU In + 8 AES-EBU Out (4 AES-EBU Pairs In / Out)
	AES I/O Option	24 AES-EBU In / Out (12 Pairs In / Out) - High Speed up to 4FS Supported
	AES SRC I/O Option	8 AES-EBU In / Out with SRC up to 192kHz + 16 AES-EBU In / Out - High Speed up to 4FS Supported
	MADI I/O Option (Coaxial or Optical)	56 In / Out (64 In / Out in Extended Mode)
Video I/O Specifications	DVI Output	1 DVI Output 2048 x 1536 at 75 Hz (QXGA)
	VGA Output	1 VGA Output 2048 x 1536 at 75 Hz (QXGA) (both DVI and VGA outputs can be used concurrently)
	SDI/HD-SDI	Optional AJA extension card for Ovation Platinum
	Composite	Optional AJA extension card for Ovation Platinum
	Component	Optional AJA extension card for Ovation Platinum
	Analog	Optional AJA extension card for Ovation Platinum
Generic I/O Specifications	MIDI	1 In + 1 Out Port
	RS 422	1 Port (Selectable Master / Slave)
	LTC	1 In (Balanced, Nominal 2 Vp-p) + 1 Out (Unbalanced, Selectable Level from -24 to +9 dBV)
	Video Sync / Wordclock	PAL / NTSC / Tri-level HDTV / WC
	GPI/O (Optional)	8 Optically Isolated Inputs / 8 Reed Relay Outputs
System Specifications	CPU	Core 2 Quad Processor
	RAM	2GB
	Hard-Disk	80GB System Disk + 500GB Data Disk (~1000 Hours @ 48kHz/24bits)
	LAN	10/100/1000 Mbps/Sec IEEE 802.3 compliant
	USB	6 Rear Ports + 2 Front Ports
	FW / IEEE1394	1 Rear Port + 1 Front Port
Mechanical Specifications	Dimensions	2U Form Factor - 493mm x 422mm x 88mm - 19.4" x 16.6" x 3.5"
	Weight	13.5 Kg - 30 lbs
	Power Requirements	95 to 240 volts, 50/60Hz, 350 Watts Max
	Certifications	CE, FCC, RoHS



Optional Remote Controllers

Remote Controller Options	Proprietary Keyboard/Input Device	128 Programmable Keys - USB connection - Available with a choice of two factory mappings
	15" Touch Screen LCD Monitor	1024 x 768 (XGA) - DVI / VGA Input - 75Hz - 700:1 - 8ms - 30W - USB connection - 2 x 2W Speakers
	17" Touch Screen LCD Monitor	1280 x 1024 (SXGA) - DVI / VGA Input - 75Hz - 800:1 - 5ms - 32W - USB connection - 2 x 2W Speakers
	Isis Remote Controller	24 + 11 Assignable Buttons, 1 Transport section, 1 Console Strip Section (Fader + Pan + Solo/Mute), Ethernet connection
	Isis Fader Extension	8 Console Strip Sections (Fader + Pan + Solo/Mute), 10 Banks, to be used with the main Isis Remote Controller



Ovation Software Specifications

		Ovation Silver	Ovation Gold	Ovation Platinum
Cue Type	Blank Cues (Grouping, Linking, Status / Control Cues)	X	X	X
	Audio Cues	X	X	X
	Video Cues			X
	Microphone Cues (Input/Playback Switch)	X	X	X
	MIDI Generic Command Cues	X	X	X
	MIDI Machine Control Cues (MMC)	X	X	X
	MIDI File Cues (.mid)	X	X	X
	MIDI TimeCode Cues		X	X
	LTC TimeCode Cues		Mykerinos Card Required	Mykerinos Card Required
	GPO Cues		X (Optional HW)	X (Optional HW)
	SonyP2/RS422 Cues		X	X
	Script/Batch File Cues	X	X	X
	DMX Cues	Optional	Optional	Optional
	Still Image Cues			X
Mixer Snapshot/Automation Cues		X	X	
Cues	Number of Cues	Unlimited	Unlimited	Unlimited
	Number of Audio Channels per Cue	64	384	384
Cue Lists	Number of Cue Lists	Unlimited	Unlimited	Unlimited
	Standard Cue Lists (Manual Trigger)	X	X	X
	Timed Cue Lists		X	X
	Hot Keys	X	X	X
	Customized Design Keys	X	X	X
	File System Browser Keys	X	X	X
Cues Interaction	Fire Next (Auto-follow) / Any in Sync (Link)	X	X	X
	Stop/Pause/Dim Previous, Any, All, All in Cue List, All on same I/O	X	X	X
	Loop / Repeat	X	X	X
	Conditional Interaction (Fire, Pause, Stop, Dim on dynamic conditions/events)	X	X	X
I/O	Number of Audio I/O	24	Up to 384	Up to 384
	Number of concurrent Audio Cues per I/O	Unlimited	Unlimited	Unlimited
	Number of Video I/O			1 as standard, up to 4 optionally
	Number of concurrent Video Cues per I/O			Limited only by disk/platform bandwidth
Audio Mixing & Processing	Built-in Mixing Console with Effects Processing	X	X	X
	Equalizer / Dynamics	X	X	X
	Compressor / Limiter / Metering Tools (Peak / VU / Phase Correlator / Vector Scope)		X	X
	Reverbs / Spatializers / Denoisers / Descratchers	Optional	Optional	Optional
	VST plug-ins support	X	X	X
Audio File Formats	Wave / BWF, AIFF, MP3, MP2, WMA, AAC, MXF, OMF, AC3, QuickTime, MIDI	X	X	X
Sampling Rates	44.1 / 48 kHz	X	X	X
	88.2 / 96 / 176.4 / 192 kHz		X	X
	352.8 kHz (DXD) / 384 kHz / 2.8 MHz (DSD)	Optional + Mykerinos Card Required	Optional + Mykerinos Card Required	Optional + Mykerinos Card Required
	Real-time Sampling Rate Conversion	X	X	X
Bit Rates	16 / 24 / 32 bits	X	X	X
Frame Rates	PAL / NTSC	X	X	X
	Trilevel Sync (23.98, 24, 25, 29.97, 30, 50, 59.94 fps)		Mykerinos Card Required	Mykerinos Card Required
Video Resolutions	SD			X
	720p			X
	1080p / 1080i / 1080ps			X
Video File Formats	AVI, QuickTime, MXF, OMF	Audio Tracks Only	Audio Tracks Only	X
	MPEG, MP4, DV, VOB			X
Video Codecs	DV, MJPEG, ProRes, DivX			X
	MPEG, MPEG2/IMX, MPEG4, DVCProHD, DNxHD, Uncompressed HD2K			Optional
Still Images	JPEG, BMP, TIFF, PNG, PSD, etc... (All formats)			X
	Text and Subtitling			X
Complex compositions support	Audio (AAF, OMF, AES31, OpenTL, CMX EDL, FinalCutPro XML)	Optional	Optional	Optional
	Video (AAF, OMF, FinalCutPro)			Optional
Editing/Cue manipulation	Built-in Non-destructive Editing	X	X	X
	Integrated Audio Editing with Pyramix Virtual Studio		X	X
	Integrated Video Editing with VCube			X
User Interface	Fully accessible by Touch Screen Interface	X	X	X
	Customizable User Interface	X	X	X
Networking	Playback of Cue Media through the Network	X	X	X
	Multiple Players on the Network		X	X
	Full Redundancy of Players / Controllers through the Network (Mirroring)		X	X
Remote Control	MIDI Generic Commands	X	X	X
	MIDI Machine Control (MMC)	X	X	X
	MIDI Show Control (MSC)		X	X
	MIDI TimeCode		X	X
	LTC TimeCode		Mykerinos Card Required	Mykerinos Card Required
	GPI		X (Optional HW)	X (Optional HW)
	RS422		X	X
	DMX	Optional	Optional	Optional
	Touch Screen	X	X	X
	Proprietary Keyboard/Input Device	X (Optional HW)	X (Optional HW)	X (Optional HW)
	Mixing Console Remote Control		X	X