

Orbiter Specifications:

Formats, Processing and Outputs			
Media Formats	CD, SACD, DVD-V, DVD-A, VCD, MP3-CD, CD-R, CD-RW, DVD-R, DVD-RW		
Video Formats	NTSC, PAL		
Audio Formats	Stereo/Multi-channel DSD (SACD), MLP (DVD-A), Linear PCM Digital Audio (CD), MPEG1 (VCD), MPEG2 (DVD-V), Dolby Digital® 5.1 (AC-3), Dolby Digital® Surround EX, DTS Digital Surround 5.1™ and DTS-ES™ 6.1		
Video Processing	10-bit/54MHz oversampled video with active current-to-voltage converter		
Audio Processing	Three (3) BurrBrown PCM1738E 24-bit/192kHz DACs each with an 8X oversampling digital filter		
Video Outputs	Composite Video (CVBS) on an RCA Connector	Line output level	1.0Vp-p
	S-Video (Y/C) on a 5 pin mini-DIN Connector	Y output level C output level	1.0Vp-p 0.300Vp-p PAL 0.286Vp-p NTSC
	Component Video (interlaced & 480p) on RCA Connectors	Y output level P _B output level P _R output level	1.0Vp-p 0.7Vp-p 0.7Vp-p
	Digital Video Interface on 24-pin DVI-D connector (480p)		LVDS
	Serial Digital Interface (SDI) on BNC connector *** OPTIONAL ***		800mV @ 75 ohms
Audio Outputs	Analog: 5.1-channel Analog: 2-channel stereo	6x Single-ended 2x Single-ended	2.0 V @ 50 ohms 2.0 V @ 50 ohms
	Digital (multi-channel & 2-channel stereo)	S/PDIF on RCA S/PDIF on BNC AES-EBU on XLR Optical on Toslink	0.5 V @ 75 ohms 0.5 V @ 75 ohms 3.7Vp-p/110 ohms 660nm wv
Video Specifications			
Horizontal Scan Frequency		31.5kHz	
Video Frequency Response		±0.5dB to 5.5MHz	
Video Signal-to-noise ratio		> -57dB	
Video Differential Phase		>0.5°	
Video Differential Gain		>0.1dB	
Supported Aspect Ratios		Anamorphic 16:9 LetterBoxed 4:3 Pan & Scan 4:3	
DVD Audio (MLP) Specifications (EIAJ, A-weighted, f _s = 24-bit/192kHz)			
Frequency response		4Hz - 90kHz	
Signal-to-noise ratio		117dB	
Dynamic Range		117dB	

Channel Separation	111dB
THD + N	0.0012% @ 0dBfs
Pass-band Ripple	±0.002dB
Stop-band Attenuation	< - 82dB
DVD Linear Audio Specifications (EIAJ, A-weighted, f _s = 24-bit/96kHz)	
Frequency response	4Hz - 45kHz
Signal-to-noise ratio	117dB
Dynamic Range	117dB
Channel Separation	113dB
THD + N	0.0006% @ 0dBfs
DSD (SACD) Audio Specifications (EIAJ, A-weighted, 64f _s)	
Frequency response	4Hz - 88kHz
Signal-to-noise ratio	117dB
Dynamic Range	117dB
Channel Separation	115dB
THD + N	0.0004% @ 0dBfs
Pass-band Ripple	±0.002dB
Stop-band Attenuation	< - 82dB
CD Audio Specifications (EIAJ, A-weighted, f _s = 16-bit/44.1kHz)	
Frequency response	4Hz - 20kHz
Signal-to-noise ratio	117dB
Dynamic Range	117dB
Channel Separation	115dB
THD + N	0.0004% @ 0dBfs
Pass-band Ripple	±0.002dB
Stop-band Attenuation	< - 82dB
Miscellaneous Information	
Available Faceplate Finishes	Black and Silver
Remote Control	Full-Function
Display Type	VFD (Vacuum Flourescent Display)
Front Panel Controls	Stand by • PScan • Video Off • Open/Close • Stop • Play • Previous Track • Next Track • Pause
Rack mount size	3 spaces
Power Consumption	50 Watts
AC Power Requirements	120V / 60Hz 240V / 50Hz
Warranty (USA & Canada)	1 yr - transport / 2 yrs - electronics
Shipping weight	33 lbs / 15 Kg
Dimensions (W x H x D)	19 x 6-1/2 x 16.5 in. (48 x 16.5 x 42 cm.)