

RT-20

Disc Player



- > High-Definition Multimedia Interface (HDMI)
- > DVD-Video, DVD-Audio, and DVD-R/RW compatibility
- > Audio CD, CD-R/RW, Video CD, and SVCD compatibility
- > SACD compatibility (stereo or multi-channel)
- > MP3, MPEG, and JPEG compatibility
- > 14-bit/216MHz video digital-to-analog converters (DACs)
- > Progressive-scan component video output on BNC, RCA, or D1/D2 (Mini-D Ribbon) connectors
- > True 2:3 pull-down for the finest film-based DVD reproduction
- > Video Adjust for exact, detailed adjustment of video settings
- > Three Video Adjust banks for user-defined settings
- > 24-bit/192kHz audio DACs
- > Digital audio output on S/PDIF coaxial, S/PDIF optical, or AES/EBU connectors
- > Still frame, frame-by-frame, slow, random, repeat, and program playback modes
- > Stored disc settings for up to twenty discs
- > Optional SACD speaker distance compensation
- > Audio Synchronization capability
- > Composite and S-video outputs
- > Trigger input connector
- > IR input connector
- > Serial control via RS-232C
- > Intuitive user-interface
- > Optional rack mount kit

The RT-20 is Lexicon's top-of-the-line universal disc player. Designed to provide superior audio and video performance with virtually any of the 5-inch optical media discs, it supports DVD-Video, DVD-Audio, DVD-R/W, SACD, CD, CD-R/W, MP3, JPEG, Video CD and SVCD. The RT-20 takes the universal disc player to a new level with a High-Definition Multimedia Interface (HDMI), built-in video processing, and extremely precise DACs.

HDMI provides direct uncompressed digital video transmission to compatible display devices delivering pristine images free from the deterioration associated with analog conversion and interfaces. High-quality video processing can convert video to 720p or 1080i for the HDMI output to drive a HDTV compatible display. HDMI also carries Dolby Digital®, DTS®, MPEG and PCM digital audio.

The RT-20 includes composite and S-video output connectors, as well as progressive-scan component video outputs on RCA and professional-grade BNC connectors. These interfaces are fed by high-precision 14-bit/216MHz video DACs, ensuring the cleanest possible conversion.

The Video Adjust feature allows for exact, detailed adjustment of video settings such as Progressive Motion, sharpness, white, black, gamma, hue, and chroma levels, as well as luminance (DNR) and chrominance (CNR) noise reduction. The Progressive Motion feature automatically converts film sources recorded at 24 frames-per-second to 60 frames-per-second to create a more natural picture. The RT-20 offers three banks of Video Adjust settings for storage of user-defined settings.

In addition to HDMI, digital audio is available on three output connectors – one S/PDIF coaxial, one S/PDIF optical, and one AES/EBU – allowing for external decoding and processing of Dolby Digital, DTS, and PCM sources. Alternatively, built-in 24-bit/192kHz DACs on all six analog audio outputs allows high-resolution formats such as DVD-Audio and SACD to deliver smooth, expansive analog output without sample rate conversion or word length reduction.

The RT-20 features serial control via RS-232 for full integration into third party control systems. It also offers a rear panel infrared (IR) input, a trigger input, and an optional rack mount kit, making it easy to incorporate the RT-20 into the finest home theaters.

Built to Lexicon standards, the RT-20 represents a solid investment. With its extensive compatibility, the RT-20 delivers exceptional performance whether you are watching the latest widescreen DVD, listening to old favorites on SACD or checking out the latest MP3s on CD-R. Even the most demanding enthusiast will be impressed with its unbeatable combination of technological innovation, flexibility, and performance.



RT-20 Specifications

Discs Supported	DVD-V, DVD-A, DVD-R, DVD-RW, SACD, CD, CD-R, CD-RW, VCD (v2.0, MPEG 1), S-VCD (IEC), and MP3
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Audio Outputs	
<i>Analog</i>	Four RCA pairs. Two stereo front L/R, center, subwoofer, and one surround L/R
<i>Digital</i>	One AES/EBU (XLR), one Coaxial (RCA) and one optical (Toslink). All conform to IEC-958 and S/PDIF standards Sample Rates: 44.1, 48, 88.2, and 96kHz. (16 to 24 bits)

Audio Performance	
<i>Digital-to-Analog Conversion</i>	24-bit/192kHz PCM and Pure DSD
<i>Frequency Response</i>	20Hz-20kHz (+/- 0.5dB), -1.0dB at 50kHz, reference 1 kHz (Front L/R outputs)
<i>THD + Noise</i>	0.004% at 1kHz
<i>Dynamic Range</i>	100dB
<i>Signal-to-Noise Ratio</i>	100dB
<i>Channel Separation</i>	100dB
<i>Output Level</i>	2.0V maximum

Video Outputs	Two component video (one RCA, one BNC), One S-video, and two composite video (RCA)
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Video Performance	
<i>Digital-to-Analog Conversion</i>	14-bit/216MHz (10-bit/54Mhz for A/V Euroconnector*)

<i>Bandwidth</i>	6MHz
<i>Signal-to-Noise Ratio</i>	75dB (Y output)
<i>Output Level</i>	1.0V peak-to-peak
<i>Output Impedance</i>	75 Ohms

A/V Output Connectors	
<i>HDMI A/V Output</i>	19-pin, Type A
<i>A/V Euroconnector</i>	21-pin SCART connector

Other	
<i>Trigger Input</i>	12V DC; detachable screw terminals
<i>IR input</i>	3.5mm T/R/S
<i>RS-232C</i>	9-pin connector
<i>Power Requirements</i>	120VAC, 60Hz (USA model)230VAC, 50Hz (Export model)
<i>Power Consumption</i>	29W
<i>Dimensions</i>	
<i>Height (with feet)</i>	3.9" (99mm) (2 rack units without feet)
<i>Width</i>	17.3" (440mm)
<i>Depth</i>	14.5" (368mm)
<i>Weight</i>	21.5lbs (9.75kg)
<i>Rack Mounting</i>	Optional brackets are available for mounting unit in a standard 19-inch equipment rack
<i>Operating Temperature</i>	5° to 35° C (41° to 95° F)
<i>Relative Humidity</i>	85% maximum without condensation
<i>Remote Control</i>	Hand-held, battery-powered infrared remote control unit Batteries: Two AA

Specifications subject to change without notice.



*An A/V Euroconnector is included in Region 2 models available in Europe only.