

SOUND & VISION

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OPTICAL-DISC FORMAT SPECIFICATIONS				
Prerecorded formats	CD	DVD	HD-DVD	BLU-RAY DISC
Maximum data rate, in megabits per second (Mbps)	1.4 Mbps	11 Mbps	36 Mbps	36 Mbps
Data capacity (single-side, single-layer), in gigabytes (GB)	0.74 GB	4.7 GB	15 GB	25 GB
Laser wavelength, in nanometers (nm)	780 nm	650 nm	405 nm	405 nm
Diameter of laser spot on data layer, in micrometers (μm)	1.6 μm	1.1 μm	0.62 μm	0.48 μm
Track pitch	1.6 μm	0.74 μm	0.4 μm	0.32 μm
Minimum pit length	0.83 μm	0.40 μm	0.204 μm	0.15 μm
Overall disc thickness	1.2 mm	1.2 mm	1.2 mm	1.2 mm
Distance from disc surface to data surface	1.1 mm	0.6 mm	0.6 mm	0.1 mm