

# SOUND & VISION®

from test report on the Samsung DVD-V2500 DVD player/VCR in the April 2003 **S&V**.  
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## in the lab

### DVD-VIDEO PERFORMANCE

Measurements were made from a variety of DVD test discs, all through the player's composite-video output except as noted.

**Maximum-white level error**.....0 IRE

**Setup level**.....0 IRE (see notes)

**Differential gain, phase**.....1%, 1°

### Luminance frequency response

(re level at 1 MHz)

at 4 MHz.....+0.17 dB

at 5 MHz.....+0.26 dB

at 6 MHz.....+0.42 dB

at 6.75 MHz (DVD limit).....+0.51 dB

**Onscreen horizontal resolution** .....540 lines

**In-player letterboxing**.....good

### Component-output level error (interlaced)

(Y/P<sub>r</sub>/P<sub>b</sub>).....+4.4/-0.33/-0.80%

### Component-output timing error (interlaced)

(P<sub>r</sub>/P<sub>b</sub>).....+5/+5 nanoseconds

The best thing about the Samsung — its excellent progressive-scan performance — is evaluated by eye and doesn't show up in our lab data. While the slight rise of luminance response is unusual (it typically falls at the highest frequencies), it was invisible with program material. The biggest video "problem" is the 0 IRE setup level, which on many TVs will produce a picture with too much contrast, with darker details getting lost into black. Of course, you can compensate for this by raising your set's brightness control slightly, preferably to a level determined while using a test DVD like

### **Sound & Vision's Home Theater Tune-Up.**

Compared with the DVD performance, the VHS playback quality was thoroughly average, with record/playback resolution at either SP or SLP speed of only 250 noisy and wavering lines. Hey, it's tape!

Multichannel audio must be handled externally via the unit's digital outputs, so the only audio performance worth mentioning is CD playback, which was very good, having a noise level within 1 dB of theoretical perfection. MP3 performance, as usual, will be limited by the quality of the MP3 encoding.

— D.R.