

The specifications for the video display are summarized in Table 2-3.

**Original IIE**

Note that MouseText characters are not included in the original version of the Apple IIE.

For a full description of the video signal and the connections to the Molex-type pins, refer to the section "Video Output Signals" in Chapter 7.

The video signal produced by the Apple IIE is NTSC-compatible composite color video. It is available at three places: the RCA-type phono jack on the back of the Apple IIE, the single Molex-type pin on the main circuit board near the back on the right side, and one of the group of four Molex-type pins in the same area on the main board. Use the RCA-type phono jack to connect a video monitor or an external video modulator; use the Molex pins to connect the type of video modulator that fits inside the Apple IIE case.

**Table 2-3**  
Video display specifications

<b>Display modes</b>	40-column text; map: Figure 2-3 80-column text; map: Figure 2-4 Low-resolution color graphics; map: Figure 2-8 High-resolution color graphics; map: Figure 2-9 Double high-res color graphics; map: Figure 2-10
<b>Text capacity</b>	24 lines by 80 columns (character positions)
<b>Character set</b>	96 ASCII characters (uppercase and lowercase)
<b>Display formats</b>	Normal, inverse, flashing, MouseText (Table 2-4)
<b>Low-resolution graphics</b>	16 colors (Table 2-5), 40 horizontal by 48 vertical; map: Figure 2-8
<b>High-resolution graphics</b>	6 colors (Table 2-6), 140 horizontal by 192 vertical (restricted) Black-and-white: 280 horizontal by 192 vertical; map: Figure 2-9
<b>Double high-resolution graphics</b>	16 colors (Table 2-7), 140 horizontal by 192 vertical (no restrictions) Black-and-white: 560 horizontal by 192 vertical; map: Figure 2-10