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12-inch Mono Display: Specs & Pin Assignments (Discon 10/93)

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TOPIC -----

This article gives the specifications for the Apple Macintosh 12-inch Monochrome Display, along with pin assignments for the input signal jack.

DISCUSSION -----

Picture Tube	12-inch (30.5 cm) diagonal Combination phosphor EIA Type P104 and P193 (white) High-contrast antiglare
Input Signal	Video: RS-343 standard Sync: Separate sync, negative going, TTL
User Controls	Power Switch (back panel) Brightness, with detent reference (right side) Contrast (right side)
Scanning Frequencies	Macintosh II mode: Horizontal 35.0 kHz Vertical 66.7 Hz Dot Clock 30.24 MHz Macintosh LC mode: Horizontal 34.975 kHz Vertical 66.7 Hz Dot Clock 31.91 MHz
Resolution	640 (H) dots by 480 (V) lines
Active Video Display Area	Adjusted at the factory to produce an active video area of 8.35-inch (212 mm) horizontal by 6.26-inch (159 mm) vertical. The remainder of the screen is used for the dark border around the display.
Size	Height: 12.2 inches (31.0 cm) Width: 14.4 inches (36.5 cm) Depth: 10.2 inches (25.9 cm)

Weight	16 lbs (7.3 kg)
Power Requirements	30 watts maximum, all line conditions
Input Voltage	Operating range 90 to 132 and 190 to 270 Vrms, Frequency 50-60 Hz
Operating Ambient Temperature	50 degrees F to 104 degrees F (10 degrees C to 40 degrees C)
Operating Humidity	95% maximum, non-condensing
Operating Altitude	10,000 feet (3,000 m) maximum
Fuse Protection	The monitor contains internal power line fuse protection. This fuse should be replaced with the same type by a qualified service technician.

DB-15 Style Connector Pin-outs

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Pin    Function
  1    (not used)
  2    (not used)
  3    Composite H and V TTL sync
  4    ID bit 1 - Grounded
  5    B/W Video
  6    B/W Video return
  7    ID bit 2 - open
  8    (not used)
  9    (not used)
 10    ID bit 3 - open
 11    Csync return
 12    (not used)
 13    (not used)
 14    (not used)
 15    (not used)
Shell  Shield ground

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