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Multiple Scan 15 Display: Viewable Image Size (3/95)

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TOPIC --

I ordered several Multiple Scan 15 Displays and found that the dimensions were
off in width by about 1-in. according to the specifications in the manual.

DISCUSSION ---

The size of a CRT is usually measured to the physical outside edge of the glass.
Your dimensions do not seem to match because they are the dimensions of the
plastic bezel opening on the front of the display. The CRT glass dimension will
be larger. For a true measurement you need to use a raw CRT to easily measure
the outside dimensions. The actual physical CRT dimension is usually about 1-in.
to 1.5-in. larger than the front bezel opening. This is the usual method, there
are exceptions to this.

There are other ways that display sizes can represented. One method is to state
the viewable size. This usually represents the dimensions of the CRT phosphor
or the active (bright) area. The Macintosh 16-in. color display uses this
method, and by normal (physical) standards uses a 17-in. CRT.

There is another method that some PC type monitors are now using where they
state the equivalent size CRT that would have the same active area. This method
would take a 15-in. physical size display and have a front bezel opening very
close to the sides or edges of the CRT. The active display portion of this CRT
would cover nearly the entire phosphor area. Since the active display area of
this 16-in. monitor would be equivalent to the active area of a 16-in. monitor
(with bezel plastics covering some of the CRT phosphor), they state the display
is a 16in. equivalent.

The above measurement methods show how a physical 16-in. CRT can either be in a
15-in. (viewable) or 17-in. (equivalent) monitor. To my knowledge, Apple has
only used the physical or viewable method to describe its monitors. Among
monitor manufacturers the physical measurement is the most prevalent method.

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