

## Compucon 17" LCD TV Monitor J792TV

### LCD Quality Standards and Pixel Policy

Compucon uses selected high quality panels for the manufacture of its Compucon branded LCD monitors. Nevertheless, the display may have a few innate cosmetic imperfections that appear as small dark or bright spots. This is not a specific occurrence to Compucon monitors, but linked to the current state of the art of LCD manufacturing. In fact, LCD panels contain millions of small sub-pixels that are each turned on or off by a transistor which make up the picture on the screen. It is extremely difficult to manufacture millions of perfect transistors on a large surface. As an example, a 15" panel that has a native resolution of 1024x768 contains 2,359,296 sub-pixels and a 17" or 18" panel that has a native resolution of 1280x1024 contains 3,932,160 sub-pixels. Due to the immense number of sub-pixels, it is extremely difficult to eliminate non-performing pixels in spite of current high technology production processes. Therefore, no manufacturer can currently guarantee 100% non-performing pixel free panels at a reasonable price.

How visible a defect is depends on its type and location.

Each pixel is made up of one red, one green and one blue sub-pixel.

- A defect in a sub-pixel is not very visible, and can often only be seen against specific backgrounds.
- Adjacent sub-pixel defects appearing close in proximity are more visible than "geographically dispersed" defects.
- A full-pixel defect (all three R/G/B sub-pixels always on or always off) is quite visible.

Compucon does not accept any full-pixel defects upon shipment. The vast majority of Compucon monitors do not have visible imperfections. On the other hand, Compucon is obliged – for the reasons outlined before – to accept the possibility of a few sub-pixel defects.

Compucon has established clear standards for the maximum of imperfections per panel that can be tolerated. Your display has been checked to comply with these standards.

#### Details of Compucon's Pixel Policy: 17" LCD TV Monitor J792TV

(Applicable to the LCD Monitor sold within Australia & New Zealand only)

The Compucon monitor is evaluated on the number of acceptable non-performing pixels and the distance between each non-performing pixel. The terms "non-performing" and "defective pixels/sub-pixels" are used interchangeably for ease of identification. All monitors have been tested to ensure they comply with this standard.

To identify non-performing pixels, the monitor shall be viewed under normal operating conditions, preferably in its native resolution, and from a normal viewing distance of at least 50 cm (16 in.). Under these conditions the Compucon monitor shall not show more than (whichever of the following limits is reached first):

- a total of 4 non-performing pixels, or
- 4 dark non-performing pixels appearing as a black dot on a bright or white background, or
- 2 non-performing pixels of any type located less than 10mm from each other.

Compucon will entertain any warranty request concerning non-performing pixels. However, it should be noted that non-performing pixels are innate within the current LCD panel manufacturing process. As such, Compucon cannot guarantee that the return unit to our customers will be 100% free of pixel defects or have fewer numbers of defects than the accepted standard of non-performing pixels as outlined before.