

Guideline for pixel defects

Pixel Policy - LCD displays are made up of a set number of pixels and each pixel is made from 3 sub-pixels; one Red, one Blue and one Green. Every sub-pixel is addressed by its own transistor and so the manufacture of a glass substrate is very complex. Due to the nature of the manufacturing process, occasional defects can occur. Pixel defects or failures cannot be fixed or repaired and can happen at any stage in the LCD's life.

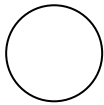
1. Manufacturer reserves the right to refuse a warranty claim for repair or replacement of the LCD monitor if the number of defective pixel falls within specifications stated below:
2. A service fee will be charged if the number of defective pixel falls within specifications stated below.

1. Definition of pixel

The dot is a dead or faulty pixel. On an average LCD screen there are 778,240 pixels and behind each pixel there is a transistor. When a transistor fails it can show as a bright, dark or coloured dot that stands out from the rest. It is common for a monitor to have several dead pixels and still be classed as fully functional.

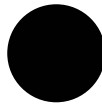
Bright Pixel:

Bright Pixels Always Lit



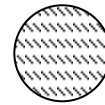
Dark Pixel

Dark Pixel Never Lit



Color Pixel (Sub-pixel)

Color Pixel Always Lit, Never Lit, or blinking (Green /Red /Blue pixels)



Pixel defaults

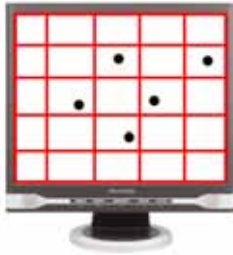

2. Bright Pixel defaults for Avixe G500

The table below shows the allowable number of malfunctioning **bright pixels** that are acceptable, depending on the native resolution of the LCD.

Native Resolution	No. of Pixels	No. of Million Pixels	Allowable Defects
1280 x 768	786,432	0.79	2
Allowable Defects: 2 bright pixels 		Not allowable Defects: over 2 bright pixels 	


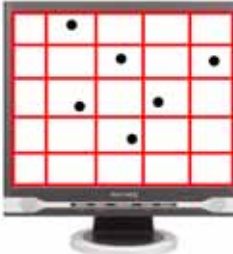
3. Dark Pixel defaults for Avixe G500

The table below shows the allowable number of malfunctioning **dark pixels** that are acceptable, depending on the native resolution of the LCD.

Native Resolution	No. of Pixels	No. of Million Pixels	Allowable Defects
1280 x 768	786,432	0.79	5
Allowable Defects: 5 dark pixel		Not allowable Defects: over 5 dark pixel	
			

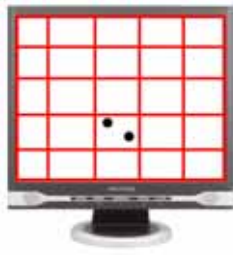

4. Color Pixel defaults for Avixe G500

The table below shows the allowable number of malfunctioning **color pixels** that are acceptable, depending on the native resolution of the LCD.

Native Resolution	No. of Pixels	No. of Million Pixels	Allowable Defects
1280 x 768	786,432	0.79	5
Allowable Defects: 5 color pixels		Not allowable Defects: over 5 color pixels	
			

5. Pixel defaults within a 5 x 5 block of pixels for Avixe G500

The table below shows the allowable number of malfunctioning **dark pixels** and **color pixels** that are acceptable within a 5 x 5 block of **pixels**, depending on the native resolution.

Native Resolution	No. of Pixels	No. of Million Pixels	Allowable Dark-pixel & color pixel Defects Within 5x5 Block
1280 x 768	786,432	0.79	2
Allowable Defects: 2 dark pixel & color pixels within a 5 x 5 block of pixels		Not Allowable Defects: 3 dark pixel & color pixels within a 5 x 5 block of pixels	
			

6. The allowable number of total pixels including bright, dark and color are 5 pixels