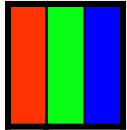


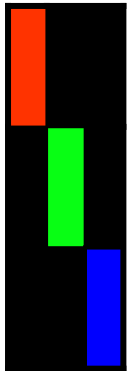


# Pixel – Definition

for  
FlexScan & ColorEdge



A pixel is one complete screen dot. One pixel consists of three sub-pixels next to each other:  
A white pixel consists of a Red + Green + Blue sub-pixel



The number of pixels on a LCD screen with resolution 1280 x 1024 is 1 310 720

One sub-pixel is one Red or Green or Blue sub-pixel.  
The number of sub-pixels on a LCD screen with resolution 1280 x 1024 is 1 310 720 x 3 equals 3 932 160



# Policy at Pixel fault

for

## FlexScan & ColorEdge

We define three different types of pixel fault which can appear on a LCD screen

- Type 1 White dots on black background or black dots on white background. 1 pixel / 3 sub-pixels next to each other not working properly.
- Type 2 Bright dot on black background. One part of the pixel always bright (red, green, blue, cyan, yellow and magenta).
- Type 3 Dark dot on colored background. One part of the pixel always dark.

Monitors with more pixel faults then the maximum limit below defined are covered by the warranty.

LCD series	FlexScan & ColorEdge
Resolution	1280x1024 1600x1200 1680x1050 1920x1200 2560x1600
Type 1 (whole pixel)	0
Type 2 (bright sub-pixel)	2
Type 3 (dark sub-pixel)	5



# Pixel fault – Summary

for  
FlexScan & ColorEdge

- EIZO accepts 0 pixel faults
- EIZO accepts max 2 bright sub-pixel faults
- EIZO accepts max 5 bright + dark sub-pixel faults
- The ISO standard, ISO 13406-2 accepts up till 4 pixel faults (complete pixels) and up till 20 sub-pixel faults on a screen with resolution 1600 x 1200.