

Support Group Application Note

*Number: 262*

*Issue: 0.3*

*Author:DW*



## Risc PC Screen Resolutions and Colour Combinations

This Application Note provides a comparison of the Risc PC's screen resolution capability with existing video standards and older screen mode numbers. The maximum number of colours supported under each standard for a range of current Acorn monitors is also given.

Applicable  
Hardware :

Risc PC 600 series

Related  
Application  
Notes:

None

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The following table gives information on the range of Acorn monitors and standard resolutions supported by Risc PC with all VRAM configurations, and examples of typical backward-compatible numbered screen modes which display these resolutions.

Pixels: Standard:	640x256	896x352	640x480	Resolutions			
	(CGA)	(EGA)	(VGA)	800x600 (SVGA)	1024x768 (XGA)	1280x1024	1600x1200
Equivalent Screen Modes	12/15	39/40	27/28	31			
Monitors							
AKF30/40	✓	✗	✗	✗	✗	✗	✗
AKF50/52	✓	✓	✓	✓	✗	✗	✗
AKF60	(Letterbox)	✗	✓	✓	✓	✗	✗
AKF85	(Letterbox)	✗	✓	✓	✓	✓	✓
Video Memory	Number of Colours Displayable						
No VRAM	32k	32k	256	256	16	-	-
1Mb VRAM	32k	32k	32k	32k	256	-	-
2Mb VRAM	16M	16M	16M	16M	32k	256	16

The AKF85 can be made to operate in a 1600x1200 screen mode; a suitable Monitor Definition File is available from Acorn Customer Services.

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