Support Group Application Note
Number: 262
Issue: 0.3
Author:DW

Acorn

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

Support Group
Acorn Computers Limited
Acorn House
Vision Park
Histon, Cambridge
CB4 4AE

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.

	Resolutions						
Pixels:	640x256	896x352	640x480	800x600	1024x768	1280x1024	1600x1200
Standard:	(CGA)	(EGA)	(VGA)	(SVGA)	(XGA)		
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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