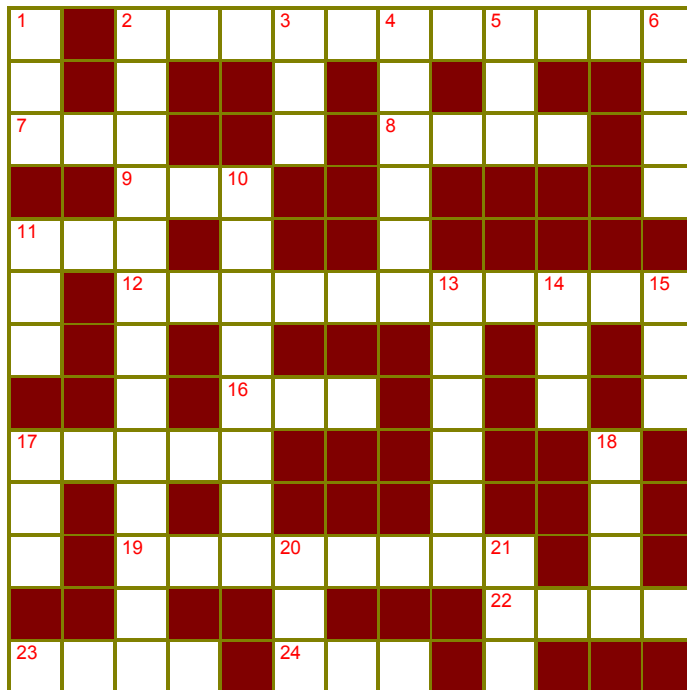


Audio_Visual_xbook3_005

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Across

2 Automatic ____:

The automatic alignment of the red, green, and blue colour images on a screen. (11)

7 ____ cushion:

The inward or outward (curved) appearance of the edges of a display. (3)

8 'J' in 'RJ'. (4)

9 The speed at which a computer renders each frame in a motion video. (3)

11 The digital video connectivity standard that was developed by DDWG. (3)

12 Maintaining signal compatibility throughout the sound chain by matching the output of each audio device to the input of the following

device. (4,7)

16 Component Analog Video. Component video signals in which an analog voltage or current (rather than a set of numbers) represents the value of the pixel, the same as "analog components". (3)

17 ____ memory - A special version of an EEPROM that can be rewritten while in its functioning environment,

instead of having to be removed and reprogrammed in a special device. (5)

19 A device used to operate audio and video equipment within a room using wireless transmission in the infrared range. (2,6)

22 Noise ____: An audio processing device that reduces background noise by muting a sound signal

when it falls below a pre-determined level, and restores it when the level increases again. (4)

23 ____ Driver: A signal amplifier used to extend a video signal over extended distances. Similar in function to a distribution amplifier, but with one input and one output. (4)

24 A handheld test and measurement device, that combines measurement tools for voltage, amperage, resistance, and other common electrical and electronic measurement needs. (3)

Down

1 Abbreviation for the international base unit of electrical current that represents the rate flow of electric charges through a conductor. (3)

2 'C' in 'DHCP' stands for _____. (13)

3 An amplifier whose output is controlled by varying its voltage rather than by direct resistance (as with a potentiometer). (3)

4 Band ____ filter: A filter that is used to block a narrow band of frequencies, while allowing frequencies above or below this band to pass. (6)

5 A VESA standard, 35-pin video graphics card connector that can carry signals for video, audio, 1394 (Firewire) and USB, allowing the computer monitor to act as a central connection hub. (3)

6 ____ cancellation - A DSP technique that filters unwanted signals caused by echoes from the main audio source. (4)

10 Matrix ____: A

means of selecting an input source and connecting it to one or more outputs. Like a regular switcher, but with multiple inputs and multiple outputs. (8)

11 ____ clock: Also referred to as pixel clock. The timing device in a graphics card that determines the pixel resolution. (3)

13 ____ Ratio: Relationship of horizontal dimension to the vertical dimension of an image. (6)

14 Original name of IEEE. (3)

15 One billion cycles per second. (3)

17 'F' in 'ELFEXT', i.e. the amount of crosstalk at the far end after compensation for attenuation over a run. (3)

18 ____ Response: A theoretical ideal for audio components' frequency response that does not deviate from a flat line

over the audible frequency spectrum. (4)

20 Second 'E' in 'ELFEXT', i.e. the amount of crosstalk at the far end after compensation for attenuation over a run. (3)

21 Introduced by IBM in 1984, this replaced CGA (Colour Graphics Adapter). (3)