



Application Notes

The Real Time HQ Display Quad offers a simple solution for applications where there is a need to simultaneously view a multiple of 4 video images on one monitor. The quad has been designed to offer a number of features whilst providing a real time video display.

Features

- Real time digitised video output
- Selectable digitised video output from a range of options: quad / Picture-in-picture / full screen
- Power down memory to resume activities in case of power loss
- Motion detection programmable for each individual video input
- 4 remote alarm inputs and one normally open or normally closed output
- Controllable analogue video output
- 2 to 4 times digital zoom function
- Remote control via RS422 telemetry
- Auto terminating video loop output for each camera input
- Event logging of motion detection / alarm detection / video loss detection, recording the time and date, capable of storing the last 32 events
- Easy to use menu facility for setting system parameters
- Picture freeze function, to still a moving image on the screen
- Analogue image sequence and optional picture-in-picture sequence
- Camera titling option
- 30 frames NTSC and 25 frames PAL refresh rate
- 4 CIF video output in full screen and 4 x 1 CIF in quad screen mode



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Technical specification

Power supply	9 to 12Vdc 500mA			
Video inputs	4 direct auto terminating inputs			
Video outputs	4 direct auto terminating loop outputs One selectable analogue output (1V p-p 75ohm terminated via BNC socket) One digital quad output (1V p-p 75ohm terminated via BNC socket) PAL or NTSC			
Features	Menu adjustable gain / hue / contrast for each video input On screen alarm / motion display Time and date display Selectable video display options quad / full / PIP			
Zoom	2 to 4 times digital zoom			
Alarm inputs	4 programmable normally open / normally closed low voltage remote alarm inputs			
Alarm outputs	One normally open or normally closed low voltage contacts - 2A @ 30Vac			
Motion detection	Fully programmable motion area and control options			
Remote input	RS422 serial interface used for remote control of the quad			
Display rate	30 frames per second in NTSC / 25 frames per second in PAL.			
Resolution	Quad mode	NTSC	360 x 120 pixels x 2 fields	1 CIF
		PAL	360 x 144 pixels x 2 fields	1 CIF
	Full mode	NTSC	720 x 240 pixels x 2 fields	4 CIF
		PAL	720 x 288 pixels x 2 fields	4 CIF
Video standards		NTSC	525 lines 60 fields / sec	
		PAL	625 lines 50 fields / sec	
Installation	Easy to follow legend for a straight forward installation.			
Dimensions	Width 205mm	Depth 110mm	Height 55mm	
Weight	0.6Kg			
Colour	Metallic Silver Effect			



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