MICRO-FOURSIGHT

Ultra Compact Video Quad

Ultra compact video quad display system

- Specifically designed for surveillance monitoring applications.
- Allows up to four cameras to be viewed on one screen.
- Small compact size, ideal for ultra-covert and mobile installations.
- DC powered with low current consumption (~140mA at 12V).
- 16 preset display modes which are fully configurable via PC utility and USB/ RS232 control interface.
- On-screen date & time and camera ident.
- Automatic configuration for PAL or NTSC video inputs.

micro-FourSight is an ultra compact quad, specifically designed for surveillance monitoring applications and allows up to four cameras to be viewed on one screen.

Unlike most quads, micro-FourSight is very compact, lightweight and power efficient. micro-FourSight's advanced digital video processing provides full control of each picture's size and position together with picture cropping and overlay. For ease of use the system includes 16 pre-set display modes, which can be reconfigured via its USB/RS232 control ports and optional PC configuration utility. micro-FourSight provides excellent picture quality coupled with real-time update rate per channel. Camera ident, plus date and time are shown onscreen, which again are fully configurable via the control ports.

micro-FourSight will operate with almost any video source, automatically configuring itself for PAL or NTSC operation.

For OEM applications, the system may be supplied as a unit or PCB, together with

microFourSight-Side View

microFourSight-Front View

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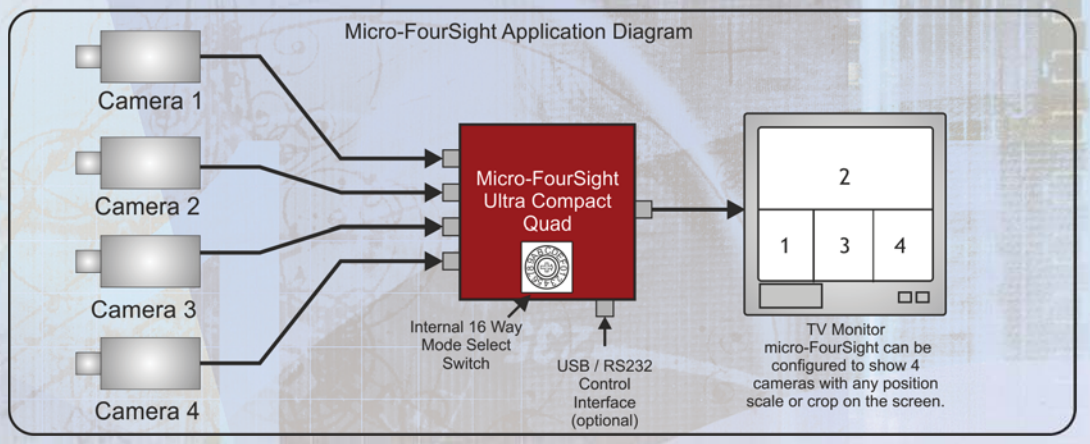

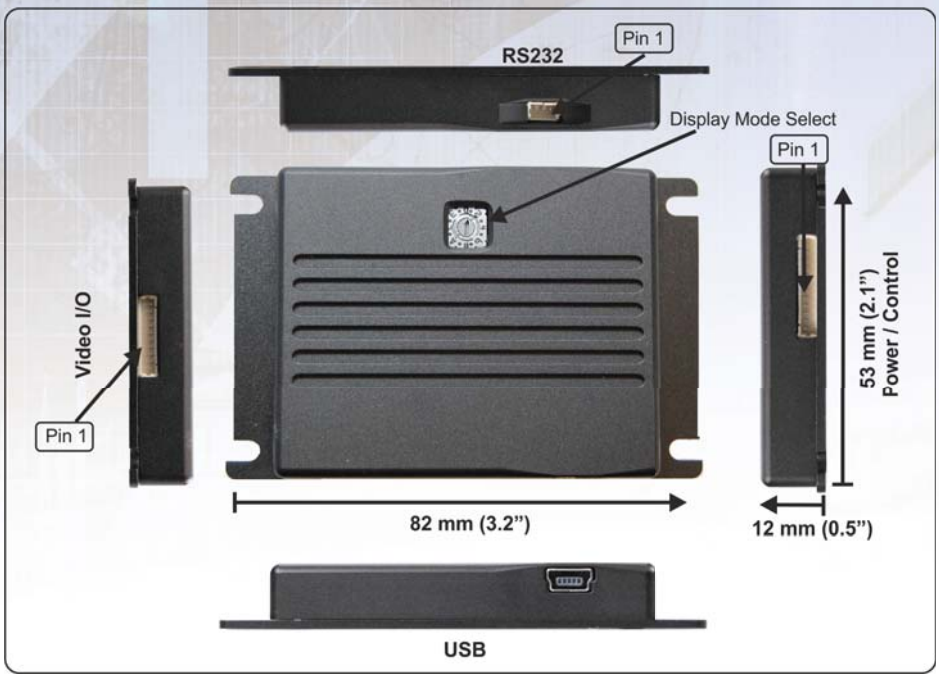

Video I/O

1	Video Out Gnd
2	**Video Out**
3	Video Gnd-4
4	**Video In-4**
5	Video Gnd-3
6	**Video In-3**
7	Video Gnd-2
8	**Video In-2**
9	Video Gnd-1
10	**Video In-1**

RS232

1	TXD
2	GND
3	RXD

Power / Control

1	DC In 5 to 28 V
2	DC In 5 to 28 V
3	Gnd
4	Gnd
5	Green LED
6	Red LED
7	Control HEX SW / Buttons
8	Control Common
9	Control bit 4
10	Control bit 3
11	Control bit 2
12	Control bit 1

Connector Type: 1.25mm SIL header, Mates with Molex 51021 series (supplied with unit to 150mm open wires)

Outline Specification

General:		**Video:**	
Operating temperature range	-20 to +65°C	Video standards supported	PAL/NTSC (auto / manual config)
Mechanical size (housed)	82 x 53 x 11.5 mm	Video Input /Output Levels	1 Vpp into 75R
Finish	Hard anodised aluminium	Video bandwidth	4MHz @-1dB 5.35 MHz @ -3dB
Weight (Housed)	60 g		
Operating voltage range	5 to 28 V DC	Signal to noise ratio	> 60 dB weighted
Power consumption	< 2 Watts	AGC Pulling range	> ± 15%
Current consumption at 12 V	140 mA (approx.)	Digital sampling	PAL: 576 lines by 720 pixels NTSC: 480 lines by 720 pixels
Standard accessories	User guide, mating connectors with 50 mm leads.	Lock-in time	< 1 second
		Input camera gen-lock	Not required
Optional accessories	1) PC Software, RS232C cable 2) Video Breakout PCBs	Number of input channels	4
		Preset-display modes	16 via external switch + 176 via RS232
		Update rate per image	Real-time

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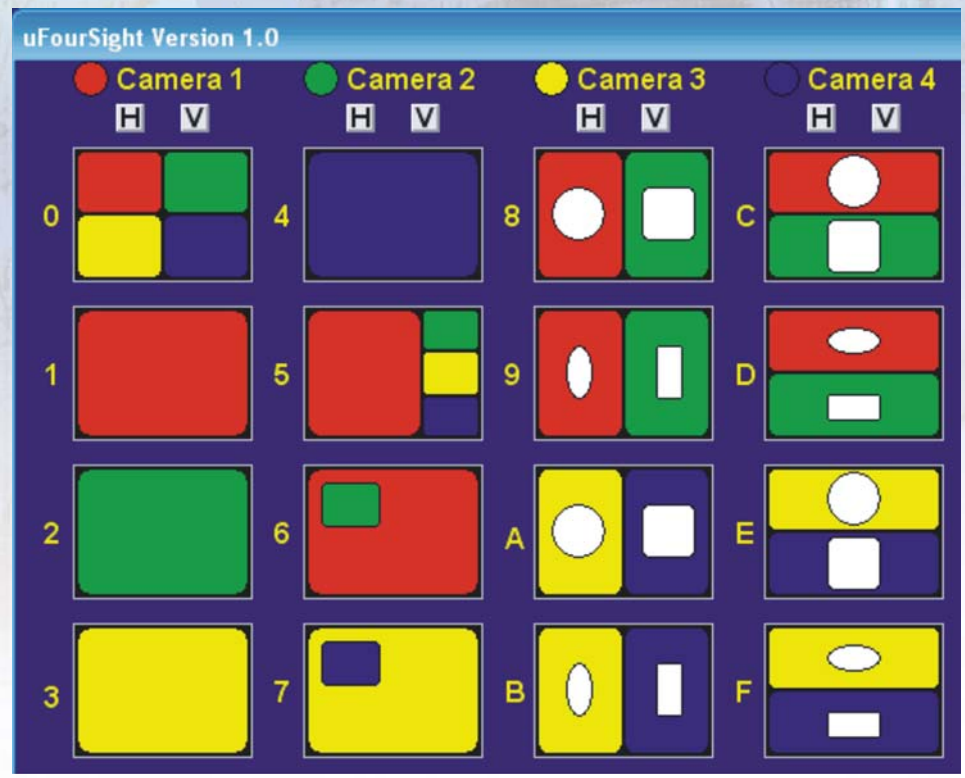
The diagram and table below show the micro-FourSight's default display modes. These can be altered to any format of 1 to 4 pictures on one screen (with programable scale, crop and position) using the optional PC configuration software.



Preset	Mode	Preset	Mode
0	Quad – 1:1 aspect ratio	8	Camera's 1 & 2 cropped to centre section and displayed side by side
1	Camera 1 full screen	9	Camera's 1 & 2 horizontally scaled and displayed side by side
2	Camera 2 full screen	A	Camera's 3 & 4 cropped to centre section and displayed side by side
3	Camera 3 full screen	B	Camera's 3 & 4 horizontally scaled and displayed side by side
4	Camera 4 full screen	C	Camera's 1 & 2 cropped to centre section and displayed one above the other
5	Camera 1 horizontally scaled by 2/3 plus 3 1/3 size images down right hand side	D	Camera's 1 & 2 vertically scaled and displayed one above the other
6	Camera 1 full screen plus camera 2 as a 1/3 PiP in top left corner	E	Camera's 3 & 4 cropped to centre section and displayed one above the other
7	Camera 3 full screen plus camera 4 as a 1/3 PiP in top left corner	F	Camera's 3 & 4 vertically scaled and displayed one above the other

Please note:
Ovation Systems reserves the right to change specifications without notice. E&OE

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