DATA DISPLAY GROUP

Data Display

Prisma ENNEA (Video Matrix)

<Picture>

31.08.2009

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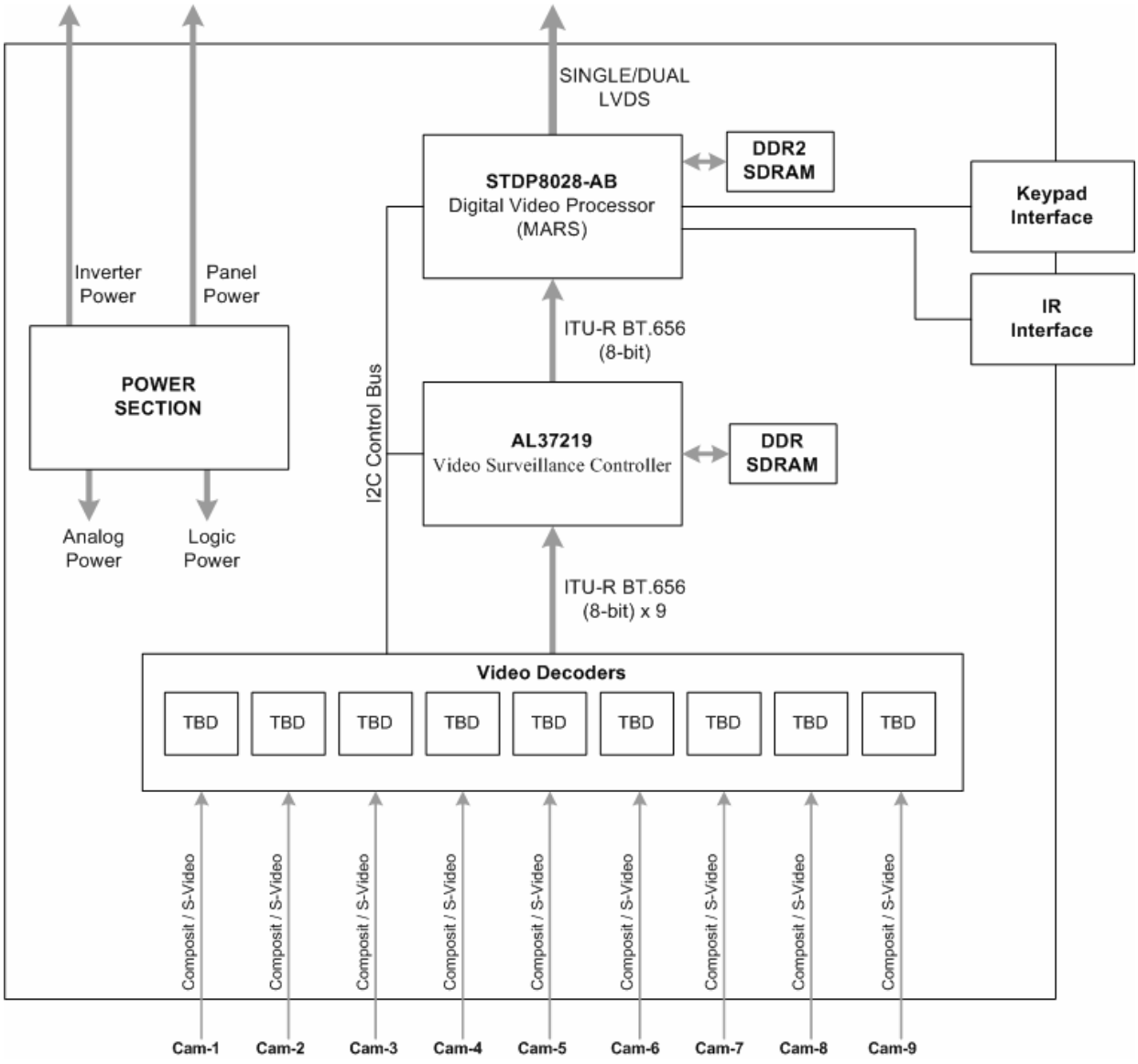
1 REVISION TABLE

Date	Description	Page
31/08/09	Project Name changed	
27/08/09	Initial Release	

2 DESCRIPTION

Prisma ENNEA the video matrix is intended to design to combine maximum 9 channel analog video sources into the one picture. Final picture will be divided to number of input signals and each channel will display the related input camera source.

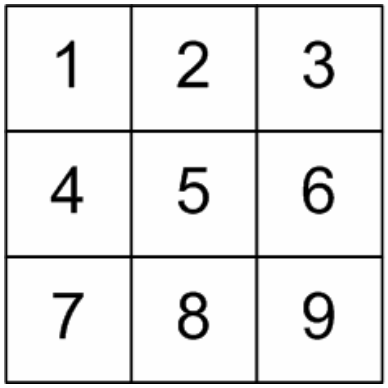


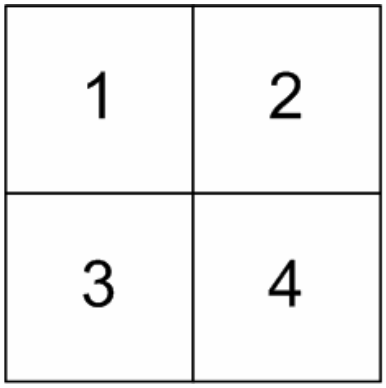
- Supports 6/8/10-bit LVDS panels up to WUXGA (1920 x 1200)
- Zoom and shrink scaling
- Decodes NTSC/PAL/SECAM composite or S-video signal
- Supports all variation of the NTSC and PAL standard (I, B, G, H, D, N,M, combination N)
- Adaptive Comb filter for NTSC&PAL
- Auto detects video standard (NTSC,PAL or SECAM)
- Faroudja Truelife video enhancer
- PWM or voltage controlled backlight intensity
- Wide-range input voltage (up to 24V)
- OSD - keypad interface and on-screen menus allow adjustments to the system
- Lead-free

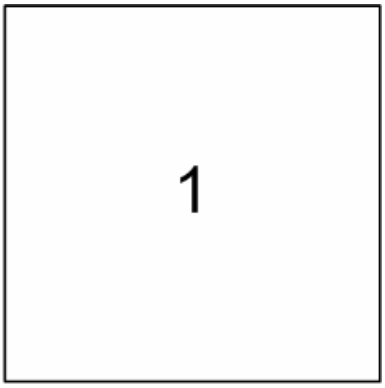
3 FUNCTIONS

3.1 Video Matrix

In this mode output picture is consist of multiple video input signals.



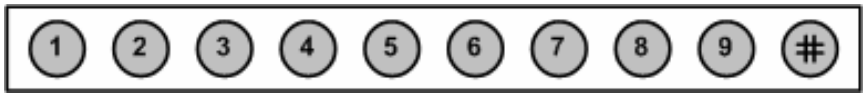




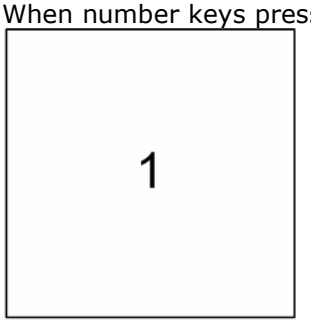
- Maximum 9 video channels can be displayed in a common output picture
- Quad mode is supported for 4 channels input
- Any input video signal can be zoomed to full screen

3.2 Keypad Interface

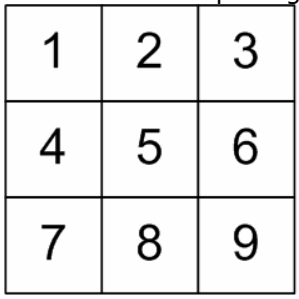
Special designed keypad allow user to select operation mode.



When number keys pressed, selected one of the 9 video inputs will be displayed as full screen:



When "#" key is pressed, video matrix mode will be enabled, the output image will consist of the number of the input signals:



4 ELECTRICAL SPECIFICATIONS

4.1 Absolute Maximum Specifications

Operating temperature ..... TBD
Storage temperature ..... TBD
Vdd (supply voltage)..... TBD

4.2 Recommended Operating Conditions

Operating temperature ..... TBD
VDD (supply voltage) ..... TBD

4.3 DC Specifications

TBD

5 MECHANICAL SPECIFICATIONS:

TBD

6 CONNECTORS:

TBD

Our company network supports you worldwide with offices in Germany, Turkey, Great Britain and the USA. For more information please contact:

DISTEC GmbH

Distec GmbH
Augsburger Str. 2
82110 Germering
Germany
Phone: +49 (0)89 / 89 43 63-0
Fax: +49 (0)89 / 89 43 63-131
E-Mail: info@distec.de
Internet: www.distec.de

DATA DISPLAY TEKNOLOJI

Data Display Teknoloji Elektronik San Ve Diş Tic A.Ş.
Kustepe Leylak Sok.
Nursanlar Is Merkezi
Kat. 6 No: 21
Sisli / Istanbul
Turkey
Phone: +90 (0)212 / 356 04 20
Fax: +90 (0)212 / 356 04 25
E-Mail: info@datadisplay.com.tr
Internet: www.datadisplay.com.tr

DISPLAY TECHNOLOGY

Display Technology Ltd.
A2 Spectrum Business Centre
Anthonys Way, Medway City Estate
Rochester, Kent, ME2 4NP
United Kingdom
Phone: + 44 (0)1634 / 29 55 55
Fax: + 44 (0)1634 / 29 55 43
E-Mail: info@displaytechnology.co.uk
Internet: www.displaytechnology.co.uk

Apollo Display Technologies
A Data Display Company

Apollo Display Technologies, Corp.
85 Remington Blvd.
Ronkonkoma, NY 11779
United States of America
Phone: +1 631 / 580-43 60
Fax: +1 631 / 580-43 70
E-Mail: info@apollodisplays.com
Internet: www.apollodisplays.com