



DATA DISPLAY GROUP

# Overview Prisma-Boards

Embedded & Media Applications

2010-07-05

# Embedded

	PRISMAeco Slim ( <a href="#">Details</a> )	PRISMAeco II ( <a href="#">Details</a> )	PRISMA II ruggedized ( <a href="#">Details</a> )	PRISMA III ( <a href="#">Details</a> )
<b>Interfaces (Input)</b>	- RGB analog (CRT)	- RGB analog (CRT) - DVI	- RGB analog (CRT) - DVI - Composite Video (optional) - S-Video (optional) - Component Video (optional)	- RGB analog (CRT) - DVI (HDMI 1.3a/HDCP) - Composite Video (up to 8x) - S-Video (up to 8x) - Component Video/YPbPr
<b>Interfaces (Output)</b>	- LVDS (single/dual, 18/24 bit; conventional/non-conventional)	- TTL - LVDS (single/dual, 18/24 bit; conventional/ non-conventional)	- TTL - LVDS (single/dual, 18/24 bit; conventional/non-conventional)	- TTL - LVDS (single/dual, 18/24 bit; conventional/non-conventional)
<b>Supported Output Resolutions</b>	VGA to SXGA 640x480 to 1280x1024	VGA to SXGA 640x480 to 1280x1024	VGA to WUXGA 640x480 to 1920x1200	VGA to WUXGA 640x480 to 1920x1200
<b>Scaler Chip</b>	Genesis GM2621	Genesis GM5621	Genesis/ST GM1601	Genesis/ST MARS
<b>Power Supply</b>	12V, up to 24V optional	12V, up to 24V optional	Vcc= +12V or Vcc=15..36V, peak voltages up to 57V	12V or 24V (for TFTs with Vcc = 3,3V/5V)
<b>Special Features</b>	none	none	- WIN Remote OSD via RS232 (optional) - Image Flip (optional)  Key features: - Different settings for different input interfaces - Picture-in-Picture (PIP) - Infrared Remote Ctrl - customized OSD - Internal 5V source for external support  <b>- Top = -20..+70 degree C</b>	- 1080p for HDMI , DVI, VGA, - Connection of 2 video cameras in S-Video or CVBS - 720p/1080i on video inputs - 3D-Filter for video inputs - Stepless transparency of Picture in Picture - Infrared Remote Ctrl. - Remote OSD via RS-232 (protocol) - Tiling 9x9 (via all inputs) - Option: Text overlay  <b>- Top = -20..+70 degree C</b>
<b>Benefits</b>	- Ultra cost-saving	- Space and cost saving	- Improved video quality - Perfect for rough industrial applications due to lockable connectors - Produced on automotive standard with industrial components only	- Industrial capability with multi-media high-end performance - Produced on automotive standard with industrial components only - Multidisplay capable
<b>Versions</b>	- RGB	- RGB - RGB/DVI - Different output versions are defined by firmware	- Different output versions defined by firmware	- optionally with Ambient Light Sensor / PSU low power function
<b>Application Area</b>	Simple monitor applications	Simple monitor applications	Rough industrial and mobile applications	Industrial & multimedia applications

# Media

	<b>PRISMA Media (<a href="#">Details</a>)</b>	<b>PRISMA Media II (<a href="#">Details</a>)</b>	<b>PRISMA ENNEA (samples from Q3/2010 on)</b>
<b>Interfaces (Input)</b>	<ul style="list-style-type: none"> <li>- RGB analog (CRT)</li> <li>- HDMI 1.2a/HDCP + DVI</li> <li>- 2x S-Video or 2x CVBS or either</li> <li>- Component</li> </ul>	<ul style="list-style-type: none"> <li>- DisplayPort</li> <li>- 3G-SDI (option)</li> <li>- 2 x 1.3a HDMI (HDCP) or 2 x DVI</li> <li>- RGB analog (CRT)</li> <li>- Component Video/YPbPr</li> <li>- S-Video (optional: up to 8x)</li> <li>- CVBS (optional: up to 8x)</li> </ul>	<ul style="list-style-type: none"> <li>- 9x CVBS or S-Video</li> <li>-1x CVBS or S-Video-In from video recorder for playback</li> </ul>
<b>Interfaces (Output)</b>	<ul style="list-style-type: none"> <li>- LVDS (single/dual, 18/24 bit; conventional/non-conventional; LVDS settings adjustable in firmware)</li> <li>- supports 6-, 8- or 10-bit panels (with dithering)</li> </ul>	<ul style="list-style-type: none"> <li>- LVDS (single/dual, 18/24 bit, conventional/non-conventional)</li> <li>- 8/10-bit single/dual pixel LVDS</li> <li>- Stereo audio output</li> </ul>	<ul style="list-style-type: none"> <li>- LVDS (single/dual, 18/24 bit, conventional/non-conventional)</li> <li>- 8/10-bit single/dual pixel LVDS</li> </ul>
<b>Supported Output Resolutions</b>	VGA to WUXGA 640x480 to 1920x1200	VGA to WUXGA 640x480 to 1920x1200	VGA to WUXGA 640x480 to 1920x1200
<b>Scaler Chip</b>	Genesis/ST FLI8548	Genesis/ST MARS	Genesis/ST MARS + AverLogic Screensplitter
<b>Power Supply</b>	12V or 24V	12V or 24V	12V or 24V
<b>Special Features</b>	<ul style="list-style-type: none"> <li>- Supports resolutions up to WUXGA 1920x1200</li> <li>- 1080p for HDMI and DVI</li> <li>- Connection of 2 video cameras in S-Video or CVBS</li> <li>- Option: Text overlay</li> <li>- Remote OSD via RS-232 (protocol)</li> </ul>	<ul style="list-style-type: none"> <li>- Integrated audio amplifier</li> <li>- 1080p for HDMI , DVI, VGA, 3G SDI and DisplayPort</li> <li>- Connection of 2 video cameras in S-Video or CVBS</li> <li>- 720p/1080i on video inputs</li> <li>- 3D-Filter for video inputs</li> <li>- Stepless transparency of Picture in Picture</li> <li>- Infrared Remote Ctrl.</li> <li>- Remote OSD via RS-232 (protocol)</li> <li>- Tiling 9x9 (via all inputs)</li> <li>- Option: Text overlay</li> </ul>	<ul style="list-style-type: none"> <li>- Zoom and shrink scaling</li> <li>- Decodes NTSC/PAL/SECAM composite or S-video signal</li> <li>- Supports all variation of the NTSC and PAL standard (I, B, G, H, D, N,M, combination N)</li> <li>- Adaptive comb filter for NTSC &amp; PAL</li> <li>- Auto detects video standard (NTSC, PAL or SECAM)</li> <li>- PWM or voltage controlled backlight intensity, firmware selected</li> <li>- Flipping capability</li> <li>- automatic storage of data stream: combined input video, but with lower frame rate</li> <li>- special output stream configurations available on request</li> <li>- Motion Detection to activate On-board buzzer and alarm output to directly drive in-circuit buzzers (eg. Murata PKB24xxx) externally</li> </ul>
<b>Benefits</b>	<ul style="list-style-type: none"> <li>- Cost-efficient Multimedia-platform</li> </ul>	<ul style="list-style-type: none"> <li>- With DisplayPort up to 15m cable possible</li> <li>- With 3G SDI the perfect platform for broadcast applications</li> <li>- Multidisplay capable</li> </ul>	<ul style="list-style-type: none"> <li>- The screen can be segmented via OSD menu from 1 to 3x3 camera pictures</li> <li>- Any input video signal can be zoomed to full screen</li> <li>- Customer specific configurations on request</li> </ul>
<b>Versions</b>	<ul style="list-style-type: none"> <li>- optionally with Ambient Light Sensor / PSU low power function</li> </ul>	<ul style="list-style-type: none"> <li>- optionally with Ambient Light Sensor / PSU low power function</li> </ul>	<ul style="list-style-type: none"> <li>- optionally with Ambient Light Sensor / PSU low power function</li> </ul>
<b>Application Area</b>	Multimedia applications	High-End Multimedia- & Broadcast applications	Surveillance- & security systems

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