



RealVision

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RealVision Inc.

RealVision develops the newest medical imaging graphics card with accelerated 3D performance and high cost performance  
VREngine/XMD series supporting medical IT systems

RealVision Inc (Yokohama, Japan) announces the development and the start of sample product supply for VREngine/XMD series from this month. This series has highly enhanced 3D graphics functions and drawing performance and also support low cost medical grade systems in hospitals.

In medical field, database for medical imaging (PACS) and electric medical chart system are widely adopted among hospitals and clinics in worldwide. Especially, reading system (medical terminal used by common doctors or nurses for informed consent or reference for medical information) is widely accepted as the important part of medical IT system addition to already existing diagnosis systems. Also, besides the digital imaging for existing X-ray film images, utilization of 3D graphics imaging has advanced and becomes popular in various medical imaging applications including effective diagnosing by using 3D imaging information, deciding therapeutic strategy or surgery plan making.



Display sample for applications

VREngine/XMD series is developed to provide solutions for these latest medical imaging applications with 2M to 3M resolutions. VREngine/XMD series has the top level of 3D graphics performance with very high cost performance. When usual graphics card has been used for reading system with electric medical chart application, user necessarily may not

satisfy as a medical grade system by noise problem issue or image quality degradation. VREngine/XMD series can solve these problems by our state-of-the-arts high-resolution grayscale display technologies supported with dedicated software driver technology and provides medical grade quality.

VREngine/XMD series is composed by three cards, XMD23-16, XMD23-1A, XMD12-1B. PCI Express 16 lane with two digital outputs card (XMD23-16), PCI Express 1 lane with two digital outputs card (XMD23-1A) and PCI Express 1 lane with one digital output and one analog RGB output card (XMD12-1B). Followings are photo of these cards.



The simple specification of VREngine/XMD series is shown below.

Product Name	XMD23-16	XMD23-1A	XMD12-1B
Graphic Controller	XG47	<=	<=
Pixel Fill Rate	1.2 billion pixel/sec	<=	<=
Memory Band Width	5.3GB/sec	<=	<=
Bus Interface	PCI-Express 16 lane	PCI-Express 1 lane	<=
Max. Display Resolution	2M to 3Mpixels	<=	1M to 2Mpixels
Video Interface	DVI 2 channels	DVI 2 channels	DVI 1Channel & Analog RGB
Video Output Connector	DMS59 to DVI	<=	DVI-I
Frame Rate	Max. 60Hz	<=	<=
# of Connectable Monitors	Max. 2 monitors	<=	<=
Frame Memory	DDR-SDRAM	<=	<=
Frame Memory Size	128MByte	<=	<=
3D API	Direct-X, OpenGL	<=	<=
Operating System	Windows XP Professional	<=	<=
Max. Power Dissipation	18W	<=	<=
Cooling Method	FAN	<=	<=
Low Profile PC Support	Yes	<=	<=
Board Size	167.0 X 68.5mm	<=	<=
Sample Availability	Now	2006Q4	2006Q4
Mass Production Time	2007Q1	2007Q1	2007Q1

The product (XMD23-16 ) is available as sample now and production time is planned at January 2007. Please contact following sales department about prices and other information.

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