



.Characteristic

This system is signal generator based on consumer PC for testing LCD Panel.
本装置は PC ベースの液晶パネル用信号発生器です。

This system can support the 8PORT output by using two pieces of SG cards. Panel lighting of the 2K4K size is possible
SG 基板を 2 枚内蔵することで 8PORT 出力に対応することが出来ます。

4K2K サイズのパネル点灯が可能 (Max Resolution 4096 x 4096 SIZE)

Signal Generator Based on PC with Pattern Edit, Test Console

PC 画面上で TestPattern の編集を行い、点灯制御を行うことができます。

BITMAP 24 bit Full color (BMP, JPG, GIF)
BMP, JPG, GIF の汎用静止画フォーマットに対応しております。

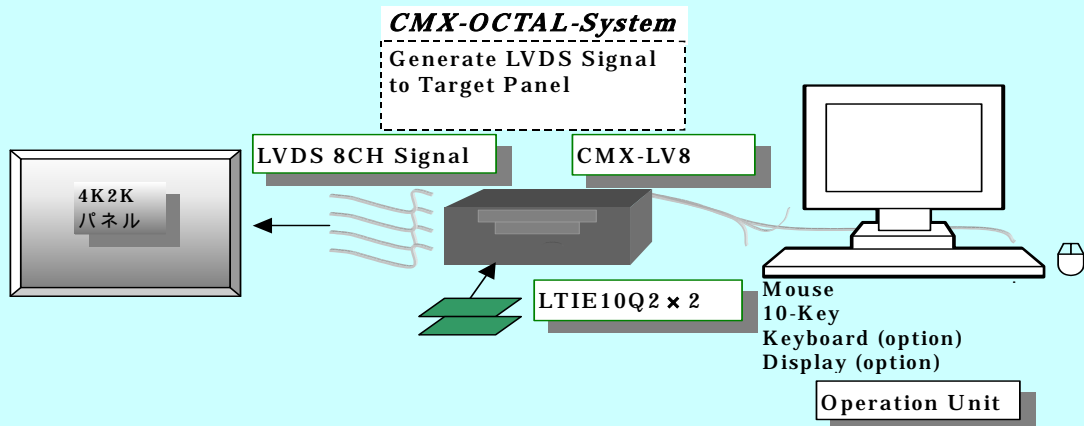
Moving picture QVGA / 20 FPS, MPEG 1 & AVI
MPEG1、AVI フォーマットの動画再生に対応しております。[QVGA / 20FPS]
* 8PORT 出力時は未対応

.SG CARD parts (LTIE10Q2 SG CARD)



- Minimum Operation Space (PCI bus board Half)
- Output data Bit Arrange Available
- LVDS 4channel Output Standard
- RGB 10bit Output Standard

.SYSTEM Connection Figure



Specification


(a). CMX-1000S-MAIN Specification

Input Power Supply	For PC AC100V ~ 240V 50/60Hz Auto Range turning
Maximum Consumed Current	For PC 1.5A(MAX)/200V 300VA
Regular Consumed Current	For PC 1.0A(MAX)/200V 200VA
Box Size	W200mm × H185mm(all hight188mm) × D300mm : Connector and projected parts and not included in size.
Weight	5.0kg
Operation Temperature	10 ~ 40
Operation Humidity	85% Max (Without water ball)
Operation I/F	Keyboard / Mouse / 10key Pads
USB port	Rear 6 Port front x 2 rear 4
RS232C Port	1Port attached Available for Baud Rate = 9600 / 19200 / 38400 / 57600 / 115200[bps]
Ethernet Port	1 Port attached, available for 10/100[Mbps]
Test pattern step	256 steps (Auto mode / Manual mode)
Test pattern Simulation	Real time simulation

(b). OCTAL Signal Generation Specification

Panel Size	Horizontal Size = 16 – 4096 Dot Video Memory Size Max 4096 Dot (512 × 8) Vertical Size = 2 – 4096 Line Video Memory Size Max 4096 Line
Color Depth	Max R,G,B 10bit
Control Signal	HD, VD, DE, DCLK
LVDS Out	8ch : Max 100MHz/Single, 200MHz/Dual, 400MHz/Quad, 800MHz/OCTAL: Min 20MHz Cable Length Max= 1.5m LVDS-OUT = 40 Pin Half Pitch Type Connector (SUMITOMO 3M 10240-1210PE) This board has two output connectors. (LVDS PORT 4CH) OCTAL SYSTEM use two pieces of SG cards .
BITMAP	24 bit Full color (BMP, JPG, GIF, PMT[Cosmo Original Pattern Command Factory])
Moving picture	QVGA / 20 FPS , MPEG 1 & AVI
Connector Layout	

* There is a possibility that the design, color and layout of Cube is changed without previous notice.

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