



Basic System

CMX1000S+CPX1000

CMX Seriesの定番!!
解析用途から生産ライン検査
まで幅広いニーズに対応

*CMX series standard. covered
analysis and math production*



TV Size System

CMX1000S+CPX1000TV

High Power Supply Unit と組み
合わせたTV SIZE Panel検査
システム

*High power supply unit
available for large size LCD
panel*



Middle Size System

CMX1000S+CPX1000H

生産ラインで培われたKnow-
howを凝縮 Back Light Control
など細やかな要求に対応

*Middle size panel use
Including many knowledge of
production line back light
control etc*

CMX1000S SERIES

本製品は液晶検査に必要な信号電源を供給するシステムで、目視による画質検査やその他機器への組み込みなどに対応します。
This product prepare signal and power for LCD testing easily. It can be used for manual testing and embedded with other machine

特長

- MPEG/AVI対応動画信号発生出力

Moving picture : MPEG/AVI

- 上位ホストとnetworkでダイレクト接続でき、
貴重な検査情報がリアルタイムにモニター可能

*Direct data link to the host computer (CIM)
The real time monitoring of some test data.*

- 電源(バックライト等)ユニットとの一体化した制御機能で、
大型TV用信号発生源として最適なシステム構成

*The system composition is best for the inspection test
Of large LCD for TV because the change and control
Of the VBL power supply are simple.*

- CM50信号発生器のテストプログラム使用可能

*The Test program of CMX-1000S and CM50/40 are same
format.*

- 信号発生カードの組み合わせにより、LVDS 2ch~4chとDVIに対応

*Signal Generator Card Chang able and Supply
LVDS 2ch to 4ch and DVI signal*

CM-SG-LTIE-PCI CARD



LVDS 8Bit × 2ch + DVI × 1ch (up to 200MHz)

CM-SG-LTIE10-PCI CARD



LVDS 10Bit × 2ch + DVI × 1ch (up to 200MHz)
(Simulation 10Bit)

CM-SG-LTIE-QUAD CARD



LVDS 10Bit × 4ch (up to 360MHz)
(Full 10Bit)

CMX1000S-SERIES

液晶パネル用信号発生器

Signal generator for LCD

CMX1000S Catalog specification

(a) System Specification

| | |
|------------------|--|
| Basic System | Signal generator main body personal computer based LCD display 1024x768 (for operation monitor) Keyboard (for operation), Mouse (for operation) Based on Windows XP home edition (Professional edition option) HDD 80G Memory 512MByte CPU Pentium4 2.8G |
| Operation Style | Operation monitor display area 1024 x 768(XGA) Some of the parameter show on the display picture, cursor address, voltage, current etc. Ten keypad is used for operation pattern, level, RGB changing etc Mouse is used for cursor position moving. |
| Test Recipe Edit | CMX1000S standard edit software SG-programmer included. |
| Box Outline | 390mm(W) x 280mm(D) x 108mm(H) (Except projection) |
| Weight | Signal generator main body 5.8kg, Keyboard 1kg LCD 4kg Mouse 200g |
| External Ports | RS-232C (1ch) USB (4ch) Parallel port(1ch) PS2 Mouse(1ch) PS2 keyboard (1ch) Ethernet port (1ch) |

(b) Software Specification (CMX SG Programmer)

| | |
|-------------------------------|--|
| Test Recipe Editing program | CMX SG Programmer is attached as standard. Configurable parameters are / Pattern / Voltage / Current Limit / Clock / etc. |
| Available Picture type | BMP, JPG, GIF, PMT (Cosmo original pattern drawing command) |
| Available Moving Picture type | MPEG1, AVI |
| Available Patterns | Over 50 preset pattern available |

(c) Operation Specification

| | |
|---------------------------|--------------------------|
| Input (Operation) Voltage | AC85-240V 50/60[Hz] |
| Power Consumption | 100V/4A, 200V/2A |
| Operation Temperature | 10°C~40°C |
| Operation Humidity | 85% (Without water ball) |

(d) Signal Generator Specification (SG card type LTIE**--SG-PCI)

| | LTIE | LTIE10 | LTIE-QUAD |
|---------------------------|--|--|--|
| Pixel Data | Max RGB 8Bit | Max RGB 10Bit | Max RGB 8/10Bit |
| Control Signal | HD, VD, DE, DCLK | HD, VD, DE, DCLK | HD, VD, DE, DCLK |
| Resolution | Dot Max 2048Dot Line Max 2048Line | Dot Max 2048Dot Line Max 2048Line | Dot video memory size Max 2048 (Quad: Max 4096) Line video memory size Max 4096 |
| Data transfer Method | LVDS 2ch DVI-D single link | LVDS 2ch DVI-D single link | LVDS 4ch - |
| Data transfer Clock range | Max 100MHz/Single, 200MHz/Dual : Min 20MHz | Max 100MHz/Single, 200MHz/Dual : Min 20MHz | Max 90MHz/Single, 180MHz/Dual, 360MHz/Quad : Min 20MHz |
| EDID (DDC) | EDID function extendable | EDID function extendable | EDID function extendable |

CPX1000 SERIES Power Supply Unit for CMX1000S

| | CPX1000 | CPX1000TV | CPX1000H |
|-----------------------|---|---|--|
| Power Consumption | 100V/15A, 200V/7.5A | 100V/17A, 200V/8.5A *2 | 100V/14A, 200V/7A |
| Box Outline *1 | 390mm(W) x 280mm(D) x 108mm(H) | 390mm(W) x 280mm(D) x 168mm(H) | 390mm(W) x 280mm(D) x 108mm(H) |
| Output Power | CH1: 2-30V/6A CH2: 2-30V/6A CH3: 2-30V/6A CH4: 2-30V/6A - | CH1: 1-24V/6A CH2: 1-40V/15A CH3: 1-24V/6A CH4: 0-10V/0.5A CH5: 0-10V/0.5A CH6: 0-10V/0.5A | CH1: 1-30V/6A CH2: 1-30V/6A CH3: 1-30V/6A CH4: 0-10V/0.5A CH5: 0-10V/0.5A - |
| PWM Dimming | - | 3.3V/5V: Frequency 0.01KHz~10KHz | Option |
| BL-ON, RESERVE2, 3, 4 | - | 3.3V/5V: LOW/HIGH SELECT | 3.3V/5V: LOW/HIGH SELECT |

*1 Except projection

*2 100V仕様, 200V仕様では装置のタイプが異なります。詳しくは弊社営業までお問い合わせ下さい。

The type of hardware is different 100V spec between 200V spec please inquire details of this spec to our sales dept.

※仕様は事前の予告なしに変更することがあります。 ※The specification of this equipment will be changed without any notice.

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