



Full HD
1080

WUXGA
x1920
x1200

dvi
digital visual interface

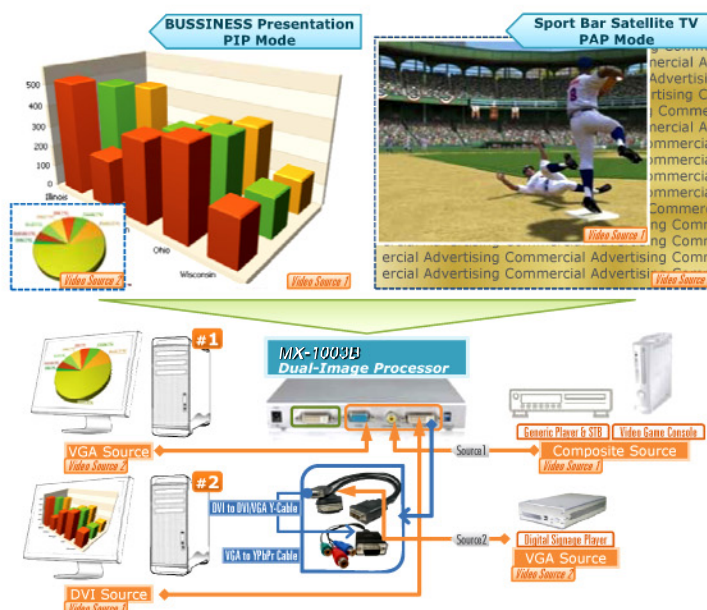
FEATURES

- Three graphic (DVI / VGA) and two video (Component / Composite) Inputs, from 640x480 to 1920x1200, interlaced or progressive.
- Dual outputs (DVI / VGA), 640x480 to 1920x1200.
- PIP, PAP, Full screen modes and adjustable size& position through software.
- Titles, borders and colored backgrounds.
- Resize, position, flip, zoom& pan and blend output video.
- Can be cascaded to obtain more images.
- Image parameters and layouts are automatically saved in flash memory and can be recalled for later use.
- Several Image parameters and layouts can be saved in flash memory and can be recalled for later use.
- Video parameters adjustable (brightness, contrast, color temperature, etc.).
- User-selectable output settings, up to 1920x1200.
- Perfectly as a video screen splitter, a video converter and a video switcher.
- Firmware upgradable for support of new features and technology enhancements.
- IR control and software control through RS-232.
- Portable size.
- Automatically power-saving mode.

ACCESSORIES



- A. DVI to DVI/VGA breakout cable (DDVY01) x 1
- B. VGA to Component breakout cable (VYPBA01) x 1
- C. DVI to VGA adapter (DVA01) x 1
- D. IR remote controller x 1
- E. DC 5V 4A In-Line power transformer x 1
- F. Installation software CD x 1
- G. User manual x 1



Specifications

Model Name		MX-1003A	MX-1003B
Technical			
Role of usage		Multiplexer / video processor	
Dual output support		Yes [DVI + VGA]	
HDCP compliance		No	
Video bandwidth		DVI [Single-link 4.95Gbps] Component [30MHz]	VGA [165MHz] Composite [13.5MHz]
Video support		480i / 480p / 720p / 1080i / 1080p60 / 1920x1200@75 / 1600x1200@60	
Audio support		No	
Control		RS-232 and IR	
PIP / PAP		Yes	
Cascadable		Yes	
Input TMDS signal		1.2 Volts [peak-to-peak]	
ESD protection		Human body model — $\pm 15\text{kV}$ [air-gap discharge] & $\pm 8\text{kV}$ [contact discharge]	
PCB stack-up		6-layer board [impedance control — differential 100Ω ; single 50Ω]	
Input		2x VGA + 2x DVI + 1x component + 1x composite + 1x RS-232	2x VGA + 1x DVI + 1x component + 1x composite + 1x RS-232
Output		1x DVI + 1x VGA	
IR remote control		Electro-optical characteristics: $\tau = 25^\circ$ / Carrier frequency: 38kHz	
DVI connector		DVI-I [29-pin female, digital only]	
VGA connector		HD-15 [15-pin D-sub female]	
RS-232 connector		DE-9 [9-pin D-sub female]	
RCA connector		75Ω female	
Mechanical			
Housing		Metal case	
Dimensions (L x W x H)	Model	180 x 103 x 23mm [7.1"x4"x0.9"]	
	Package	330 x 200 x 95mm [1'1"x7.9"x3.7"]	
	Carton	495 x 440 x 380mm [1'7.5"x1'5.3"x1'3"]	
Weight	Model	480g [1.1 lbs]	
	Package	1345g [3.0 lbs]	
Fixedness		Wall-mounting case or wall hanging holes upon request	
Power supply		5V 4A DC	
Power consumption		10 Watts [max]	
Operation temperature		$0\sim 40^\circ\text{C}$ [$32\sim 104^\circ\text{F}$]	
Storage temperature		$-20\sim 60^\circ\text{C}$ [$-4\sim 140^\circ\text{F}$]	
Relative humidity		20~90% RH [no condensation]	
Package Contents		1x MX-1003A or MX-1003B 1x DVI to DVI&VGA breakout cable 1x VGA to component breakout cable 1x VGA to DVI adapter	1x 5V power adapter 1x IR remote controller 1x Installation software CD 1x User Manual