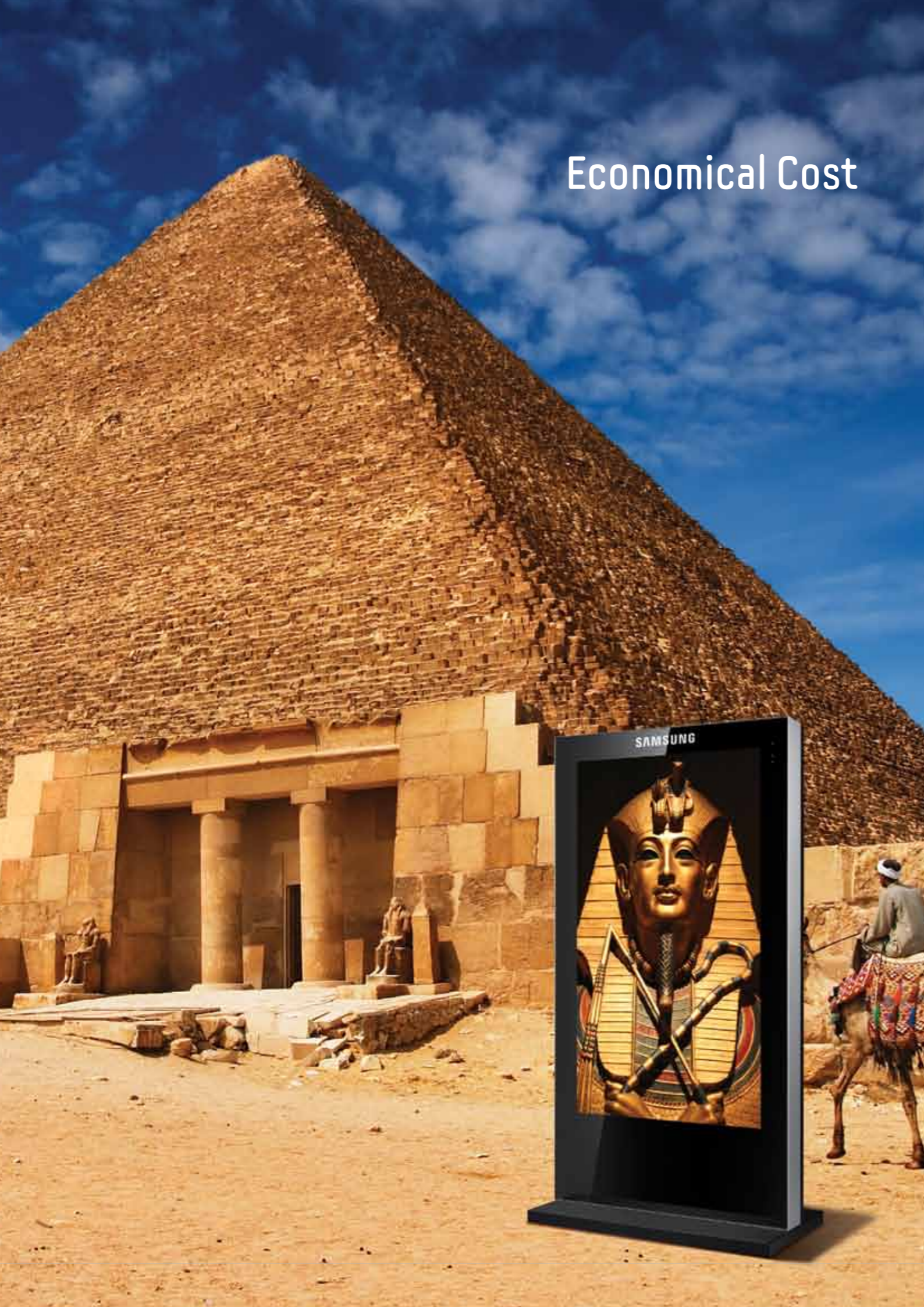


# Economical Cost



## A cost-effective way to display

The extreme energy saving and reliability of Samsung LFD solutions enables you to create a high-impact, low-cost digital display environment. With their powerful built-in PC, long lifetime, and extended after-sales service, they give you everything you need from a LFD.

## A professional panel for life

Designed for 24/7 use, Samsung LFD monitors feature a tough DID panel that is guaranteed to remain reliable and readable for the duration of its life. With a lifetime of over 50,000 hours, low operating temperature, and anti-dust and anti-image retention features, Samsung LFD monitors are built to last.



## Reduced cost, enhanced performance

Samsung LFD monitors are equipped with Display Port and DVI Chain features to enhance connectivity. Eliminating the need to purchase an extra distributor or external equipment, Samsung LFD monitors are the most cost-effective way to create a powerful, professional digital display.



## 24/7 WorldWide support

With 24/7 WorldWide support available, Samsung LFD monitors are the best choice for your business. The extended warranty and ease of access to technical assistance ensures that Samsung LFD monitors are a reliable and cost-effective professional display solution for all your business needs.



# Eco Solution

## Being green never looked so good

As the world's leading display manufacturer, we are aware of our responsibility to the environment. Our LFD monitors are designed to not only to generate profit but to create a greener planet as well. Featuring advanced Energy Saving and Eco-operation modes, enhanced LED BLU lifetimes, our LFD monitors provide professional display solutions that put the PlanetFirst™

## Redefining technology through Eco-innovation

Designed with the environment in mind, Samsung LFD monitors' use of innovative green-technology enables them to use up to 30% less power than conventional LFDs. Their intelligent Brightness Sensor automatically assesses ambient light conditions to optimize on-screen brightness, thereby extending the readability and reliability of the panel so that it performs to perfection for the duration of its life.



## Eco-LED BLU

Samsung LFD monitors' intelligent use of LED as a backlight source means that they are a more environmentally friendly display solution. Halogen and Mercury free, and using up to 30% less power than conventional LFDs, Samsung LFDs are a greener way to get your message across.



## Energy Star 5.0 certified

Satisfying the latest Energy Star 5.0 criteria, Samsung LFD monitors are the most environmentally friendly products on the market. Using up to 70% less power than conventional displays, they are guaranteed to save your business money for the duration of their extended lifetime.





LED LFD / EX(n) Series

## LED LFD, the evolution of digital displays

Samsung EX(n) Series LED LFD monitors represent the evolution of digital displays. Their unique eco-friendly features enable them to use 30% less power than last year's models, helping to save money and the environment. Ultra-slim, ultra-lightweight, with Full HD images and enhanced connectivity and convergence, they allow you to create a professional display that is designed to meet your needs with superior style.

### Eco-energy saving

To help conserve natural resources and lower carbon emissions, 2010 Samsung EX(n) Series monitors use innovative LED BLU technology to reduce power consumption more than 30%. These dramatic energy savings usher in an age of enhanced eco-awareness that will help restore the balance of the natural world.



### Making economic sense

Samsung LED LFD monitors make sense from an ecological and an economic point of view. Their built-in PC eliminates the need to purchase additional PCs and their dramatically reduced power consumption ensures that they operate with exceptional economic efficiency for the duration of their lives.



### Ultra-slim, ultra-light

The ultra-slim, ultra-light design of Samsung LED LFD monitors heralds a new era of elegance and efficiency. Their ultra-slim style effortlessly draws eyes to the screen and their ultra-light design can be lifted and carried by anyone, enabling easy installation and maintenance, and allowing you to create a high-impact display that saves space with style.



### Giving you everything you need

Samsung LED LFD monitors are designed to be adaptable to any public display usage. Featuring Full HD images, expanded digital connectivity, multi-display control, and our innovative MagicInfo I software, they allow you to create a digital display environment that is always clear and always comfortable.



# LED EX series

## ECO Solution

Model		400EX	400EXn	460EX	
<b>Panel</b>	Diagonal Size	40"	40"	46"	
	Type	120Hz, LED BLU	120Hz, LED BLU	120Hz, LED BLU	
	Resolution	1920 X 1080	1920 X 1080	1920 X 1080	
	Pixel Pitch	0.46125(H) X 0.46125(W)	0.46125(H) X 0.46125(W)	0.53025 (H) X 0.53025(W)	
	Brightness(Typ.)	450 (Typ.) / 400 (Min)	450 (Typ.) / 400 (Min)	450 (Typ.) / 400 (Min)	
	Contrast Ratio	5,000:1	5,000:1	5,000:1	
	Dynamic C/R	10,000:1	10,000:1	10,000:1	
	Viewing Angle(H/M)	178 / 178	178 / 178	178 / 178	
	Response Time(G-to-G)	6 msec	6 msec	6 msec	
	Color Space(CIE1931)	80%	80%	80%	
<b>Connectivity</b>	PC inputs	D-Sub	D-Sub	D-Sub	
	Video inputs	HDMI	HDMI	HDMI	
	PC outputs	DVI-out	DVI-out	DVI-out	
	Audio outputs	STEREO JACK	STEREO JACK	STEREO JACK	
	Audio inputs	JACK (PC)	JACK (PC)	JACK (PC)	
	MDC	RS232C IN/OUT, RJ45	RS232C IN/OUT, RJ45	RS232C IN/OUT, RJ45	
	5V OUT	X	X	X	
<b>Power</b>	Power Consumption	140W (max) / 115W (typ.)	200W (max) / 145W (Typ.)	160W (max) / 135W (Typ.)	
	Power Consumption at Stand-by	2W	4W	2W	
	Power Consumption at Power-off	1W	4W	1W	
	Power Supply	AC100-240 V~(+/- 10 %),50/60Hz	AC100-240 V~(+/- 10 %),50/60Hz	AC100-240 V~(+/- 10 %),50/60Hz	
<b>Mechanical Spec</b>	VESA Mount	400 X 400mm	400 X 400mm	400 X 400mm	
	Cabinet Color No	Black (BK23)	Black (BK23)	Black (BK23)	
	Weight (Set/Package):kg	Normal 12.0	12.7	15.0	
	Protection Glass	N/A	N/A	N/A	
	Dimension (W/O Stand):mm	Normal 949.7 X 580.6 X 42.6	949.7 X 580.6 X 42.6	1082.3 X 654.5 X 39.9	
	Protection Glass	N/A	N/A	N/A	
	Dimension (With Stand):mm	N/A	N/A	N/A	
	Packing Dimension:mm	TBD	TBD	TBD	
	Bezel Width:mm	29.5	29.5	29.5	
	Protection Glass	X	X	X	
<b>Operation</b>	Operating Temperature	Normal 0°C ~ 40°C (w/o Network)	10°C ~ 40°C (with Network)	0°C ~ 40°C (w/o Network)	
	Protection Glass	N/A	N/A	N/A	
	Humidity	10% ~ 80%	10% ~ 80%	10% ~ 80%	
	MTBF	50,000hrs	50,000hrs	50,000hrs	
<b>Feature</b>	Network	X	0 (MagicInfo Pro)	X	
	Speaker	15W X 2 built-in	15W X 2 built-in	15W X 2 built-in	
	Special Features	- DC Image Sticking Reduction Algorithm - Lamp Error Detection - Brightness Sensor - Temperature Sensor - RJ 45 / RS232C - Built in Speaker - Digital Loop Out - PIP / PBP	- DC Image Sticking Reduction Algorithm - Lamp Error Detection - Brightness Sensor - Temperature Sensor - RJ 45 / RS232C - Built in Speaker - Digital Loop Out - PIP / PBP	- DC Image Sticking Reduction Algorithm - Lamp Error Detection - Brightness Sensor - Temperature Sensor - RJ 45 / RS232C - Built in Speaker - Digital Loop Out - PIP / PBP	
	Energy Star 5.0 Certified	Yes	Inapplicable	Yes	
	<b>Network</b>	Operating System	N/A	Window XP Embedded Standard	N/A
		CPU		Dual-Core CPU (2.3GHz)	
		FDM		HDD 80GB	
		Memory		DDR2 1GB	
		Ethernet		Gigabit LAN	
		USB		3 USB	
VGA Out			1 VGA Out		
MagicInfo features			- Contents Play (Photo, Movie, Music, Offices, PDF, Flash, Web Page, Text, Input sources) - Contents scheduler - MDC via Network - Diagnosis (Lamp, Temperature, etc.) - Network System information - Asset management - Global Network		
<b>Accessory</b>	Manuals	Quick Setup Guide, Warranty Card, Application CD	Quick Setup Guide, Warranty Card, Application CD	Quick Setup Guide, Warranty Card, Application CD	
	Cables	Power Cord, D-SUB	Power Cord, D-SUB	Power Cord, D-SUB	
	Others	Remote Controller, Batteries	Remote Controller, Batteries	Remote Controller, Batteries	

\* Design & Specifications are subject to change without notice.

Model		460EXn	550EX	550EXn	
<b>Panel</b>	Diagonal Size	46"	55"	55"	
	Type	120Hz, LED BLU	120Hz, LED BLU	120Hz, LED BLU	
	Resolution	1920 X 1080	1920 X 1080	1920 X 1080	
	Pixel Pitch	0.53025 (H) X 0.53025(W)	0.63(H) X 0.63(W)	0.63(H) X 0.63(W)	
	Brightness(Typ.)	450 (Typ.) / 400 (Min)	450 (Typ.) / 400 (Min)	450 (Typ.) / 400 (Min)	
	Contrast Ratio	5,000:1	5,000:1	5,000:1	
	Dynamic C/R	10,000:1	10,000:1	10,000:1	
	Viewing Angle(H/M)	178/178	178/178	178/178	
	Response Time(G-to-G)	6 msec	6 msec	6 msec	
	Color Space(CIE1931)	80%	80%	80%	
<b>Connectivity</b>	PC inputs	D-Sub	D-Sub	D-Sub	
	Video inputs	HDMI	HDMI	HDMI	
	PC outputs	DVI-out	DVI-out	DVI-out	
	Audio outputs	STEREO JACK	STEREO JACK	STEREO JACK	
	Audio inputs	JACK (PC)	JACK (PC)	JACK (PC)	
	MDC	RS232C IN/OUT, RJ45	RS232C IN/OUT, RJ45	RS232C IN/OUT, RJ45	
	5V OUT	X	X	X	
<b>Power</b>	Power Consumption	220W (max) / 170W (Typ.)	190W (max) / 165W (Typ.)	250W (max) / 200W (Typ.)	
	Power Consumption at Stand-by	4W	2W	4W	
	Power Consumption at Power-off	4W	1W	4W	
	Power Supply	AC100-240 V~(+/- 10 %),50/60Hz	AC100-240 V~(+/- 10 %),50/60Hz	AC100-240 V~(+/- 10 %),50/60Hz	
<b>Mechanical Spec</b>	VESA Mount	400 X 400mm	400 X 400mm	400 X 400mm	
	Cabinet Color No	Black (BK23)	Black (BK23)	Black (BK23)	
	Weight (Set/Package):kg	Normal 15.7 Kg	18.3 Kg	19.0 Kg	
	Protection Glass	N/A	N/A	N/A	
	Dimension (W/O Stand):mm	Normal 1082.3 X 654.5 X 39.9	1273.3 X 763.3 X 39.9	1273.3 X 763.3 X 39.9	
	Protection Glass	N/A	N/A	N/A	
	Dimension (With Stand):mm	N/A	N/A	N/A	
	Packing Dimension:mm	TBD	TBD	TBD	
	Bezel Width:mm	29.5	29.5	29.5	
	Protection Glass	X	X	X	
<b>Operation</b>	Operating Temperature	Normal 10°C ~ 40°C (with Network)	0°C ~ 40°C (w/o Network)	10°C ~ 40°C (with Network)	
	Protection Glass	N/A	N/A	N/A	
	Humidity	10% ~ 80%	10% ~ 80%	10% ~ 80%	
	MTBF	50,000hrs	50,000hrs	50,000hrs	
<b>Feature</b>	Network	0 (MagicInfo Pro)	X	0 (MagicInfo Pro)	
	Speaker	15W X 2 built-in	15W X 2 built-in	15W X 2 built-in	
	Special Features	- DC Image Sticking Reduction Algorithm - Lamp Error Detection - Brightness Sensor - Temperature Sensor - RJ 45 / RS232C - Built in Speaker - Digital Loop Out - PIP / PBP	- DC Image Sticking Reduction Algorithm - Lamp Error Detection - Brightness Sensor - Temperature Sensor - RJ 45 / RS232C - Built in Speaker - Digital Loop Out - PIP / PBP	- DC Image Sticking Reduction Algorithm - Lamp Error Detection - Brightness Sensor - Temperature Sensor - RJ 45 / RS232C - Built in Speaker - Digital Loop Out - PIP / PBP	
	Energy Star 5.0 Certified	Inapplicable	Yes	Inapplicable	
	<b>Network</b>	Operating System	Window XP Embedded Standard	N/A	Window XP Embedded Standard
		CPU	Dual-Core CPU (2.3GHz)		Dual-Core CPU (2.3GHz)
		FDM	HDD 80GB		HDD 80GB
		Memory	DDR2 1GB		DDR2 1GB
		Ethernet	Gigabit LAN		Gigabit LAN
		USB	3 USB		3 USB
VGA Out		1 VGA Out		1 VGA Out	
MagicInfo features		- Contents Play (Photo, Movie, Music, Offices, PDF, Flash, Web Page, Text, Input sources) - Contents scheduler - MDC via Network - Diagnosis (Lamp, Temperature, etc.) - Network System information - Asset management - Global Network		- Contents Play (Photo, Movie, Music, Offices, PDF, Flash, Web Page, Text, Input sources) - Contents scheduler - MDC via Network - Diagnosis (Lamp, Temperature, etc.) - Network System information - Asset management - Global Network	
<b>Accessory</b>	Manuals	Quick Setup Guide, Warranty Card, Application CD	Quick Setup Guide, Warranty Card, Application CD	Quick Setup Guide, Warranty Card, Application CD	
	Cables	Power Cord, D-SUB	Power Cord, D-SUB	Power Cord, D-SUB	
	Others	Remote Controller, Batteries	Remote Controller, Batteries	Remote Controller, Batteries	

\* Design & Specifications are subject to change without notice.