

To learn more about the Samsung Business Monitor or to find your nearest retailer, please visit: www.samsung.com



Head Office (Suwon Korea) 416, Maetan-3Dong, Yongtong-Gu Suwon City, Gyunggi-Do, Korea 443-742

When it comes to business monitors, there is no greater business partner than Samsung. It is Samsung's goal to push business productivity with a single solution that meets both performance and budget requirements. So, it is little surprise that Samsung has been the No. 1 Player in the Monitor Industry for the last five years.



# **SC 650**

Specifications



MODEL NAME	SC650 DP	SC650 HDMI	SC650 HDMI + DP
DISPLAY			
Panel Type	AD-PLS/MVA LED Type	AD-PLS/MVA LED Type	AD-PLS/MVA LED Type
Screen Size	21.5"/23"/23.6"/27"	21.5"/23"	21.5"/23.6"/27"
Brightness	21.5"/23" : 250cd/m2, 23.6"/27" : 300cd/m2	250cd/m2	21.5" : 250cd/m2, 23.6"/27" : 300cd/m2
Contrast Ratio	AD-PLS : Mega ∞ DCR (Static 1000:1)	Mega ∞ DCR (Static 1000:1)	AD-PLS : Mega ∞ DCR (Static 1000:1)
	MVA : Mega ∞ DCR (Static 1000:1)		MVA : Mega ∞ DCR (Static 1000:1)
Response Time	AD-PLS : 5ms(GTG), MVA : 4ms(GTG)	AD-PLS : 5ms(GTG), MVA : 4ms(GTG)	AD-PLS : 5ms(GTG), MVA : 4ms(GTG)
Viewing Angle	178°/178° Viewing Angle	178°/178° Viewing Angle	178°/178° Viewing Angle
(Horizontal/Vertical)	(Horizontal/Vertical)	(Horizontal/Vertical)	(Horizontal/Vertical)
Color Support	16.7M	16.7M	16.7M
INTERFACE			
D-Sub	1 x D-Sub	1 x D-Sub	1 x D-Sub
DVI	1 x DVI	No	No
Display Port	1 x Display Port	No	1 x Display Port
HDMI	No	1 x HDMI	1 x HDMI
Audio In/Out	Option	Option	Option
Speaker	Option	Option	Option
USB Hub	Option	Option	Option
GENERAL FEATURE			
Embedded Function	Eco Saving, Samsung MagicAngle,	Eco Saving, Samsung MagicAngle,	Eco Saving, Samsung MagicAngle,
	Samsung MagicBright 3, Off Timer,	Samsung MagicBright 3, Off Timer, Image Size,	Samsung MagicBright 3, Off Timer, Image Siz
	Image Size, Key Repeat Time supported	Key Repeat Time supported	Key Repeat Time supported
Additional PC S/W	MagicTune, MultiScreen, MagicRotation	MagicTune, MultiScreen, MagicRotation	MagicTune, MultiScreen, MagicRotation
OS Compatibility	All OS	All OS	All OS
Windows Certification	Window 8	Window 8	Window 8
DESIGN			
Color	Matt Black	Matt Black	Matt Black
Stand Type	HAS (130 mm)	HAS (130 mm)	HAS (130 mm)
Stand Function	Tilt range / Pivot / Swivel range	Tilt range / Pivot / Swivel range	Tilt range / Pivot / Swivel range
Wall Mount	100 x 100 (mm)	100 x 100 (mm)	100 x 100 (mm)
POWER			
Power Supply	100-240V (50/60hz)	100-240V (50/60hz)	100-240V (50/60hz)
Power Consumption	21.5" : 38W(Typ.)	21.5" : 38W(Typ.)	21.5" : 38W(Typ.)
	23"/23.6" : 35W(Typ.)	23" : 35W(Typ.)	23.6" : 35W(Typ.)
	27" : 45W(Typ.)		27" : 45W(Typ.)
Energy Star Power Consumption	21.5"/23.6" : 28W, 23" : 26W, 27" : 35W	21.5" : 28W, 23" : 26W	21.5"/23.6" : 28W(Typ.), 27" : 35W(Typ.)
Power Consumption (Stand-by)	Less than 0.3W	Less than 0.1W (Analog Input Consition)	Less than 0.3W
Туре	Built-in	Built-in	Built-in
ACCESSORY			
Power Cable Length	1.5 m	1.5 m	1.5 m
Others	E-manual, Install CD,	E-manual, Install CD,	E-manual, Install CD,
	Quick Setup Guide included	Quick Setup Guide included	Quick Setup Guide included





SC650 embrace the green movement by using some recycled plastics during the manufacturing process.

LED Business Monitor, which has been accredited with the Energy Star rating. With less power is good for business and the

Meeting the strict environmen Display standard, the Samsung monitors represent the cutting edge of responsible design an of both users and the planet.

which comes with the new Green Certificate from EPEAT With reduced 'soft power' monitor is perfect for business.

Energy Star / TCO/ Epeat Gol

# Maximize efficiency with superior picture quality

With premium picture quality and amazing efficiency, the Samsung SC650 truly is a next generation business monitor.

Designed specifically to enhance the user experience like no other monitor, it features the vivid 178° Wide Viewing Angle for total convenience, a Height Adjustable Stand design, and handy Pivot/Swivel/Tilt functionality. Combine these features with the recycled plastic parts and Eco certificates, and you have a monitor experience that not only high performing but also a lot greener.



#### Features

### WIDE VIEWING ANGLE+

See your work from the best possible angle

While conventional monitors have a viewing angle of 170 degrees horizontally, the Samsung monitor has an extra wide viewing angle of 178 degrees. The additional 8 degrees is particularly useful when sharing on-screen information with coworkers or presenting your ideas to clients. The Samsung Monitor has improved its vertical viewing angles by 18 degrees, making it the perfect display for giving presentations in front of a large audience or when viewing other content.



#### NARROW BEZEL

Experience minimal design and maximum effect With its narrow bezel width, users benefit from reduced distraction when looking at the monitor and therefore can enjoy greater levels of concentration. The extra screen space also makes it easier to set up a dual monitor workstation, which also adds to work productivity. But fo those who just want a smart looking monitor, the narrow bezel adds a sophisticated look and feel to any desk.



### DPMS 0.1W

Help business with cost-cutting technology Minimise your work costs with the help of the new DPMS 0.1W feature\*. It ensures that your Samsung Business monitor only consumes a maximum of 0.1 Watts while in standby mode. This amazingly low consumption is beneficial both financially and environmentally, and is simply unmatched by competitors.



<sup>\*</sup>This feature is not available for DP(Display port) models.

## HAS(Height Adjustable Stand)

Improve your work with HAS design

Find the perfect viewing experience with the help of Samsung's Height Adjustable Stand (HAS). Its simple controls allow for users to tailor their monitor height and angle to meet their exact eye level and therefore improve their productivity when working.





Change your monitor perspective using amsung's innovative ivot feature. It allows



#### Set your monitor to the perfect angle with Samsung's Tilt functionality. It ensures that your monitor is always providing the



#### Samsung's Swivel that the monitor can e easily and quickly re-adjusted, and is tremely useful when

### **CARRYNG HANDLE / CABLE ARRANGEMENT**

Keep your work space as efficient as your monitor If you need a work monitor that uses office space efficiently, then Samsung Business Monitor SC650 is the perfect choice. From physically moving the monitor with the carrying handle to quickly installing, the SC650 is ready to deliver an efficient and clean work space. Optimizing your office space is now easily achieved with the Samsung Business Monitor SC650.

### **USB HUB**

The USB Hub that sets you free

The built-in USB Hub features 2 USB ports and replaces the need for a docking station. Furthermore, the enhanced connectivity also means that all your devices can be connected and controlled through the monitor. So, everything from your mouse and keyboard to your external speakers, printers and USB devices can simply connect to your Samsung Business Monitor. This monitor really sets you PC free!



### STEREO SPEAKER

The total audio-video solution with built-in speakers With a built-in Samsung Stereo Speaker, a 2 way Speaker delivers high-quality stereo sound and a richer multimedia experience. You'll enjoy enhanced movies and music, as if you were in a theatre or concert, thanks to Samsung's outstanding audio. Experience total convenience and make the most of home or office space with cost-efficient built-in speakers.



#### **VESA WALL MOUNT**

Maximise your space with easy wall mounting Give your monitor the best possible positioning with the VESA Wall Mount. Easy to mount and install, it is convenient, safe, compatible, and the perfect partner to your monitor. You will always have a great viewing angle and it also makes the most of your space with its slim design.



#### MEGA ∞DCR

Upgrade to the next level with Mega Dynamic Contrast A breathtaking Mega∞ DCR contrast ratio shows blacks at their absolute darkest and pristine whites and other colors at their brightest. You will notice the crystal clear picture clarity. It is like explosions of colors that make other screens seem dull in comparison. Enjoy your multimedia content with the professionalism it deserves.



Bring all of your content onto your monitor using the DMI Port. With a wide range of inputs, you can be assured of making a quick and easy connection to

## **Display Port**

Enjoy easy access to your content with the help of nsung's Display Port. A wide range of inputs allows for simple and effortless connectivity with

Minimise costs with Samsung's



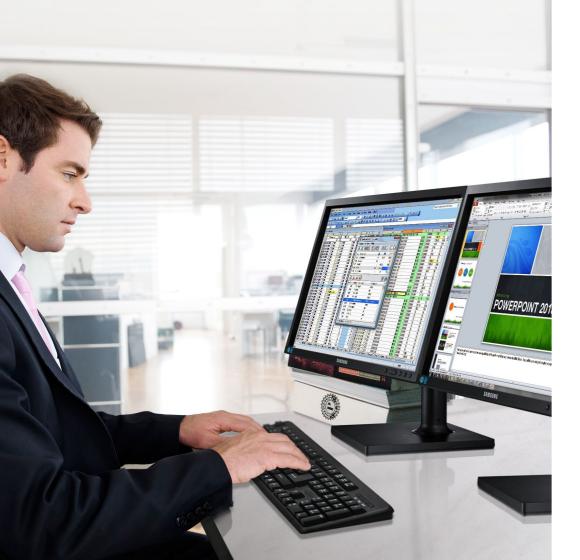
requirements of the TCO

Samsung LED Business Monitor, consumption, this eco-friendly



With the ergonomic Height Adjustable Stand design and innovative functionality, the Samsung SC450 is ready to boost work performance.

With a host of features to enhance the user experience, such as the Height Adjustable Stand, this monitor offers a truly personalised experience. The advanced LED monitors also minimized running costs, which is also good for the environment. So, if you are serious about working, then this is the perfect choice.



### Features

### NARROW BEZEL

Experience minimal design and maximum effect With its narrow bezel width, users benefit from reduced distraction when looking at the monitor and therefore can enjoy greater levels of concentration. The extra screen space also makes it easier to set up a dual monitor workstation, which also adds to work productivity. But for those who just want a smart looking monitor, the narrow bezel adds a sophisticated look and feel to any desk.



#### DPMS 0.1W

Help business with cost-cutting technology Minimise your work costs with the help of the new DPMS 0.1W feature\*. It ensures that your Samsung Business monitor only consumes a maximum of 0.1 Watts while in standby mode. This amazingly low consumption is beneficial both financially and environmentally, and is simply unmatched by competitors.



### HAS(Height Adjustable Stand)

Improve your work with HAS design

Find the perfect viewing experience with the help of Samsung's Height Adjustable Stand (HAS). Its simple controls allow for users to tailor their monitor height and angle to meet their exact eye level and therefore improve their productivity when working.



### **CARRYNG HANDLE / CABLE ARRANGEMENT**

Keep your work space as efficient as your monitor If you need a work monitor that uses office space efficiently, then Samsung Business Monitor SC450 is the perfect choice. From physically moving the monitor with the carrying handle to quickly installing, the SC450 is ready to deliver an efficient and clean work space. Optimizing your office space is now easily achieved with the Samsung Business Monitor SC450.





Change your monitor perspective using Samsung's innovative ivot feature. It allows ou to rotate your o match vour exact

the perfect angle

with Samsung's Tilt

always providing the

# Set your monitor to functionality. It ensures that your monitor is

Samsung's Swivel e easily and quickly

#### **USB HUB**

The USB Hub that sets you free

The built-in USB Hub features 2 USB ports and replaces the need for a docking station. Furthermore, the enhanced connectivity also means that all your devices can be connected and controlled through the monitor. So, everything from your mouse and keyboard to your external speakers, printers and USB devices can simply connect to your Samsung Business Monitor. This monitor really sets you PC free!



### STEREO SPEAKER

The total audio-video solution with built-in speakers With a built-in Samsung Stereo Speaker, a 2 way Speaker delivers high-quality stereo sound and a richer multimedia experience. You'll enjoy enhanced movies and music, as if you were in a theatre or concert, thanks to Samsung's outstanding audio. Experience total convenience and make the most of home or office space with cost-efficient built-in speakers.



### **VESA WALL MOUNT**

Maximise your space with easy wall mounting Give your monitor the best possible positioning with the VESA Wall Mount. Easy to mount and install, it is convenient. safe, compatible, and the perfect partner to your monitor. You will always have a great viewing angle and it also makes the most of your space with its slim design.



### MEGA ∞DCR

Upgrade to the next level with Mega Dynamic Contrast A breathtaking Mega∞ DCR contrast ratio shows blacks at their absolute darkest and pristine whites and other colors at their brightest. You will notice the crystal clear picture clarity. It is like explosions of colors that make other screens seem dull in comparison. Enjoy your multimedia content with the professionalism it deserves.

assured of making a quick and easy connection to



#### **Display Port**

Bring all of your content onto your monitor using the Enjoy easy access to your content with the help of msung's Display Port. A wide range of inputs DMI Port. With a wide range of inputs, you can be allows for simple and effortless connectivity with

## **Specifications**



Panel Type	TN, LED Type	TN, LED Type	TN, LED Type	TN, LED Type
Screen Size	19"(5:4)/19"(16:10)/	21.5"/22"/23"/23.6"/24"/27"	21.5"/23"	21.5"/23.6"/27"
	20"/21.5"/22"/23"/			
	23.6"/24"(16:9)/24"(16:10)/27"			
Brightness	19"~23"/24" : 250cd/m2	21.5~23"/24" : 250cd/m2	250cd/m2	21.5" : 250cd/m2
_	23.6"/27" : 300cd/m2	23.6"/27" : 300cd/m2		23.6"/27" : 300cd/m2
Contrast Ratio	Mega ∞ DCR (Static 1000:1)	Mega ∞ DCR (Static 1000:1)	Mega ∞ DCR (Static 1000:1)	Mega ∞ DCR (Static 1000:1)
	Contrast Ratio	Contrast Ratio	Contrast Ratio	Contrast Ratio
Response Time	5ms(On/Off)	5ms(On/Off)	5ms(On/Off)	5ms(On/Off)
Viewing Angle	170°/160° Viewing Angle	170°/160° Viewing Angle	170°/160° Viewing Angle	170°/160° Viewing Angle
(Horizontal/Vertical)	(Horizontal/Vertical)	(Horizontal/Vertical)	(Horizontal/Vertical)	(Horizontal/Vertical)
Color Support	16.7M Color Support	16.7M Color Support	16.7M Color Support	16.7M Color Support
NTERFACE				
D-Sub	1 x D-Sub	1 x D-Sub	1 x D-Sub	1 x D-Sub
DVI	1 x DVI	1 x DVI	No	No
Display Port	No	1 x Display Port	No	1 x Display Port
HDMI	No	No	1 x HDMI	1 x HDMI
Audio In/Out	Option	Option	Option	Option
Speaker	Option	Option	Option	Option
USB Hub	Option	Option	Option	Option
GENERAL FEATURE				
Embadded Function	Eco Caving Cameung MagicAnglo	Eco Caving Cameung Magic Anglo	Eco Caving Cameung MagicAnglo	Eco Saving Sameung MagicAngle

	Off Timer, Image Size,	Off Timer, Image Size,	Off Timer, Image Size,	Off Timer, Image Size,
	Key Repeat Time supported	Key Repeat Time supported	Key Repeat Time supported	Key Repeat Time supported
Additional PC S/W	MagicTune, MultiScreen,	MagicTune, MultiScreen,	MagicTune, MultiScreen,	MagicTune, MultiScreen,
	MagicRotation	MagicRotation	MagicRotation	MagicRotation
OS Compatibility	All OS	All OS	All OS	All OS
Windows Certification	Window 8	Window 8	Window 8	Window 8
DESIGN				
Color	Matt Black	Matt Black	Matt Black	Matt Black
Stand Type	HAS	HAS	HAS	HAS
Stand Function	Tilt range / Pivot / Swivel range	Tilt range / Pivot / Swivel range	Tilt range / Pivot / Swivel range	Tilt range / Pivot / Swivel rang
Wall Mount	100 x 100 (mm)	100 x 100 (mm)	100 x 100 (mm)	100 x 100 (mm)
POWER				
Power Supply	100-240V (50/60hz)	100-240V (50/60hz)	100-240V (50/60hz)	100-240V (50/60hz)
Power Consumption	19"/20" : 19W(Typ.)	21.5"/22" : 24W(Typ.)	21.5" : 24W(Typ.)	21.5" : 24W(Typ.)
, , , , , , , , , , , , , , , , , , , ,	21.5"/22" : 24W(Typ.)	23" : 25w(Typ.)	23" : 25w(Typ.)	23.6"/27" : 30W(Typ.)
	23" : 25w(Typ.)	23.6"~27" : 30W(Typ.)		
	23.6"~27" : 30W(Typ.)			
Energy Star Power Consumption	19"(16:10): 13W / 19"(5:4):	21.5"/27" : 22W	21.5" : 22W	21.5"/27" : 22W
	15W, 20" : 16W, 21.5"/27" : 22W,	22" : 21W, 23" : 25W	23" : 25W	23.6" : 20W
	22": 21W, 23": 25W, 23.6": 20W,	23.6" : 20W, 24" : 24W		
	24" : 24W			
Power Consumption (Stand-by)	Less than 0.1W	Less than 0.3W	Less than 0.1W	Less than 0.3W
	(Analog Input Consition)		(Analog Input Consition)	
Type	Built-in	Built-in	Built-in	Built-in
ACCESSORY				
Power Cable Length	1.5 m	1.5 m	1.5 m	1.5 m
Others	E-manual, Install CD,	E-manual, Install CD,	E-manual, Install CD,	E-manual, Install CD,
	Quick Setup Guide included	Quick Setup Guide included	Quick Setup Guide included	Quick Setup Guide included
CERTIFICATION AND COMPLIANC	E			
Environment / Energy	Energy Star /TCO/ Epeat Gold	Energy Star /TCO/ Epeat Gold	Energy Star /TCO/ Epeat Gold	Energy Star /TCO/ Epeat Gol
WARRANTY				
Warranty	3 years Warranty	3 years Warranty	3 years Warranty	3 years Warranty



Samsung Business Monitors SC450 embrace the green movement by using some recycled plastics during the manufacturing process.

Minimise costs with Samsung

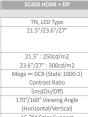
Business Monitor, which has been accredited with the Energy Star rating. With less power is good for business and the manufacture, ensuring the health of both users and the planet.



Meeting the strict environmental requirements of the TCO Display standard, the Samsung monitors represent the cutting edge of responsible design and



Samsung Business Monitor, which comes with the new Green Certificate from EPEAT. With reduced 'soft power' consumption, this eco-friendly monitor is perfect for business





<sup>\*</sup>Analog input condition

<sup>\*</sup>This feature is not available for DP(Display port) models.

# Improve work efficiency with a smarter monitor

Discover new levels of work efficiency with the flexible Samsung SC200 Business Monitor.

Boasting a practical design with a stunning narrow bezel this monitor is perfect for educational purposes and public facilities. The Samsung SC200 really does cover all the basics, while still providing an outstanding performance, and is definitely a monitor worth investing in.



### **Features**

### NARROW BEZEL

Experience minimal design and maximum effect

With its narrow bezel width, users benefit from reduced distraction when looking at the monitor and therefore can enjoy greater levels of concentration. The extra screen space also makes it easier to set up a dual monitor workstation, which also adds to work productivity. But for those who just want a smart looking monitor, the narrow bezel adds a sophisticated look and feel to any





### DPMS 0.1W

Help business with cost-cutting technology Minimise your work costs with the help of the new DPMS 0.1W feature\*. It ensures that your Samsung Business monitor only consumes a maximum of 0.1 Watts while in standby mode. This amazingly low consumption is beneficial both financially and environmentally, and is simply unmatched by competitors.



<sup>\*</sup>This feature is not available for DP(Display port) models.



### **CARRYNG HANDLE / CABLE ARRANGEMENT**

Keep your work space as efficient as your monitor If you need a work monitor that uses office space efficiently, then Samsung Business Monitor SC200 is the perfect choice. From physically moving the monitor with the carrying handle to quickly installing, the SC200 is ready to deliver an efficient and clean work space. Optimizing your office space is now easily achieved with the Samsung Business Monitor SC200



### **VESA WALL MOUNT**

Maximise your space with easy wall mounting Give your monitor the best possible positioning with the VESA Wall Mount. Easy to mount and install, it is convenient, safe, compatible, and the perfect partner to your monitor. You will always have a great viewing angle and it also makes the most of your space with its slim design.



### MEGA ∞DCR

Upgrade to the next level with Mega Dynamic Contrast

A breathtaking Mega∞ DCR contrast ratio shows blacks at their absolute darkest and pristine whites and other colors at their brightest. You will notice the crystal clear picture clarity. It is like explosions of colors that make other screens seem dull in comparison. Enjoy your multimedia content with the professionalism it deserves.



Improve your efficiency with Tilt Set your monitor to the perfect angle with Samsung's Tilt functionality. It ensures that your monitor is always providing the most comfortable experience.



## **Specifications**

# **SC 200**



DDEL NAME	SC200 ANALOG [EXTREME]	SC200 ANALOG	SC200 DUAL
SPLAY			
nel Type	TN, LED Type	TN, LED Type	TN, LED Type
reen Size	18.5"/21.5"	18.5"/19"(5:4)/19"(16:10)/21.5"	18.5"/19"(5:4)/19"(16:10)/20"/ 21.5"/22"/23"/23.6"
ghtness	200cd/m2	250cd/m2	18.5"~23" : 250cd/m2, 23.6" : 300cd/m2
ntrast Ratio	Mega ∞ DCR (Static 700:1)	Mega ∞ DCR (Static 1000:1)	Mega ∞ DCR (Static 1000:1)
sponse Time	5ms(On/Off)	5ms(On/Off)	5ms(On/Off)
wing Angle	90°/65° Viewing Angle	170°/160° Viewing Angle	170°/160° Viewing Angle
orizontal/Vertical)	(Horizontal/Vertical)	(Horizontal/Vertical)	(Horizontal/Vertical)
lor Support	16.7M	16.7M	16.7M
TERFACE	10.7101	10.7W	10.7141
Sub	1 x D-Sub	1 x D-Sub	1 x D-Sub
I	No.	No.	1 x DVI
play Port	No.	No.	No.
MI	No.	No.	No.
NERAL FEATURE	110	110	110
bedded Function	Eco Saving, Samsung MagicBright 3, Off Timer, Image Size, Key Repeat Time supported	Eco Saving, Samsung MagicAngle, Samsung MagicBright 3, Off Timer, Key Repeat Time supported	Eco Saving, Samsung MagicAngle, Samsung MagicBright 3, Off Timer, Image Size, Key Repeat Time supported
ditional PC S/W	MagicTune, MultiScreen	MagicTune, MultiScreen	MagicTune, MultiScreen
Compatibility	All OS	All OS	All OS
ndows Certification	Window 8	Yes	Yes
SIGN			
lor	Matt Black	Matt Black	Matt Black
ind Type	Simple	Simple	Simple
ind Function	Tilt	Tilt	Tilt
Il Mount	100 x 100 (mm)	100 x 100 (mm)	100 x 100 (mm)
WER			
wer Supply	100-240V (50/60hz) Power Supply	100-240V (50/60hz) Power Supply	100-240V (50/60hz) Power Supply
wer Consumption	18.5": 19W(Typ) 21.5": 24W(Typ.)	18.5"~20" : 19W(Typ) 21.5" : 24W(Typ.)	18.5"~20" : 19W(Typ) 21.5"~22" : 24W(Typ.) 23" : 25W(Typ.) 23.6" : 30W(Typ.)
ergy Star Power Consumption	18.5" : 13W	18.5"/19"(16:10): 13W	19W(16:10): 13W
	21.5" : 20W	19"(5:4) : 16W 21.5" : 19W	19"(5:4)/20" : 16W 21.5" : 19W 22" : 21W 23" : 25W 23.6" : 20W
wer Consumption (Stand-by)	Less than 0.1W (Analog Input Consition)	Less than 0.1W (Analog Input Consition)	Less than 0.1W (Analog Input Consition)
De .	Built-in	Built-in	Built-in
CESSORY			
wer Cable Length	1.5 m	1.5 m	1.5 m
hers	E-manual, Install CD, Quick Setup Guide included	E-manual, Install CD, Quick Setup Guide included	E-manual, Install CD, Quick Setup Guide included
RTIFICATION AND COMPLIANCE			
vironment / Energy	Energy Star / Epeat Gold	Energy Star /TCO/ Epeat Gold	Energy Star /TCO/ Epeat Gold
ARRANTY			
arranty	3 years Warranty	3 years Warranty	3 years Warranty
-			1 1



Minimise costs with Samsung Business Monitor, which has been accredited with the Energy Star rating. With less power consumption, this monitor is good for business and the environment.



Meeting the strict environmental requirements of the TCO Display standard, the Samsung monitors represent the cutting-edge of responsible design and manufacture, ensuring the health of both users and the planet.



Upgrade to the greener Samsung Business Monitor, which comes with the new Green Certificate from EPEAT. With reduced 'soft power' consumption, this eco-friendly monitor is perfect for business.

MO		_	MEMO		
		_		_	
		_			
		_			
		_			
		-			
		-			
		-		_	
		-			
		-			
		-			
		-		_	
		-			
		-			
		-		_	
		-		_	
		-		-	
		-			
		_			
		_			
		_			
		-		_	
		_			
		-			
		-			
		_			
		-			
		-			
		_			
		_			