AG neovo

Sophisticated and Professional

SX-Series Surveillance LCD Display

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CH1   CH2

CH3   CH4
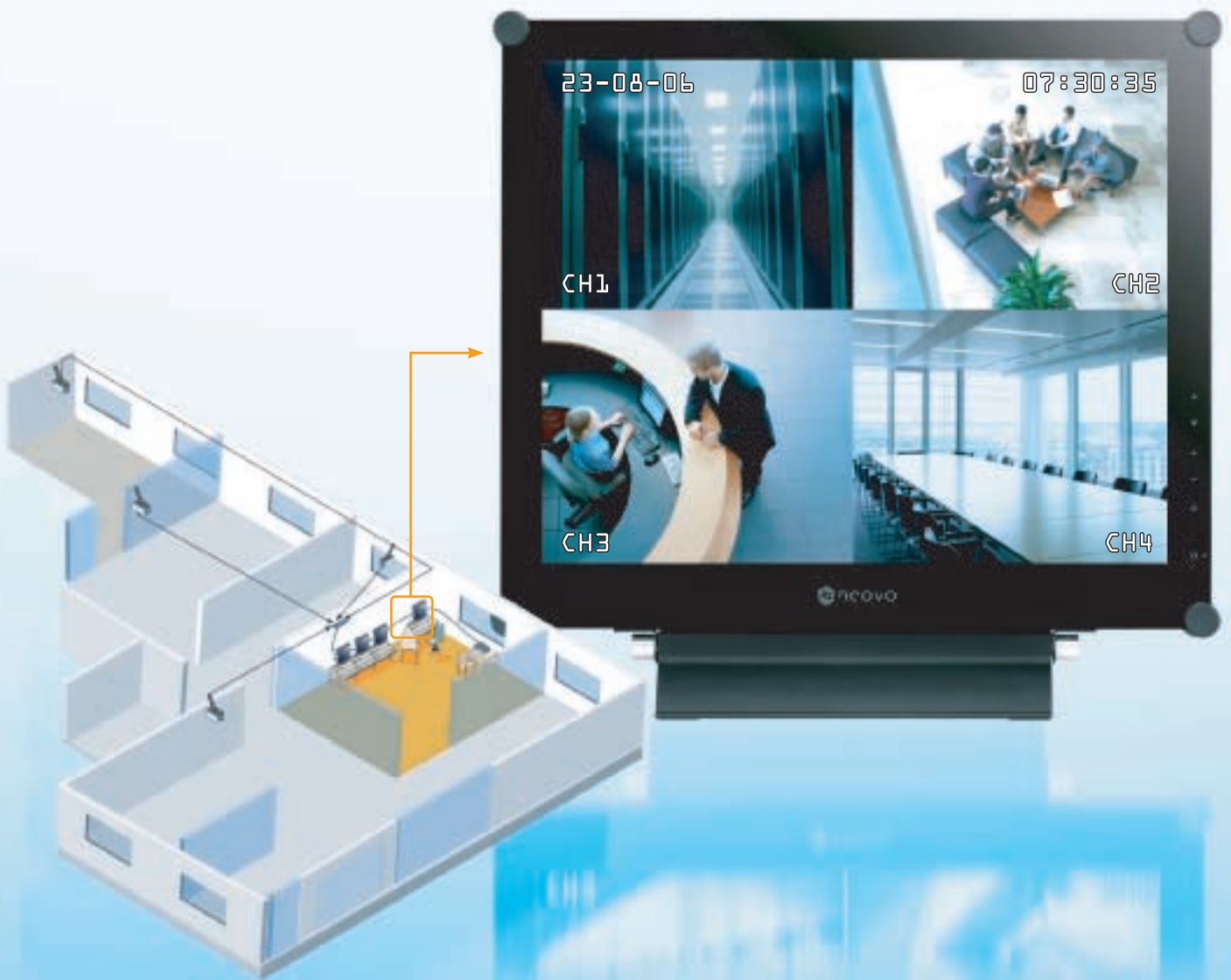
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Daisy Chain	Auto Termination	Quick Signal-Switching	Multiple Inputs	NeoV Optical Glass

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A Different Class Of Display

SX-Series

Designed specifically for environmental surveillance and security applications, the SX-Series delivers a high 1280x1024* resolution, automatic termination and quick signal switching time. Additionally, multiple displays and video equipments can be daisy chained through the BNC connection for a more integrated solution. SX-Series is ideal for monitoring public and private domains such as airports, buildings, shopping malls and other security sensitive areas.

*1280X1024 resolution is only available on SX-19 & SX-17 models

- Available in 19", 17" and 15" sizes
- High 1280 x 1024* SXGA resolution
- Auto termination
- Quick signal-switching time
- Selectable signal source : BNC, DVI and D-Sub
- Supports color and B/ W pictures
- PC compatible
- NeoV Optical Glass™ protects panel while enhancing picture quality
- Distinctive aluminum alloy housing for added strength
- VESA standard wall or arm mount

Model		SX-19	SX-17	SX-15
Panel	Panel Type	TFT LCD	TFT LCD	TFT LCD
	Panel Size	19" (483mm)	17" (432mm)	15" (381mm)
	Max. Resolution	SXGA 1280 x 1024	SXGA 1280 x 1024	XGA 1024 x 768
	Pixel Pitch	0.294mm	0.264mm	0.297mm
	Brightness	300cd/m^2 (Typical)	300cd/m^2 (Typical)	400cd/m^2 (Typical)
	Contrast Ratio	700:1 (Typical)	500:1 (Typical)	500:1 (Typical)
	Viewing Angle (H/V)	150 /130 (Typical)	140 /130 (Typical)	140 /130 (Typical)
	Display Color	16.7M	16.7M	16.7M
	Response Time	4ms (GTG)	4ms (GTG)	12ms (GTG)
	Frequency (H/V)	H: 30kHz - 80kHz	H: 30kHz - 80kHz	H: 30kHz - 60kHz
		V: 50Hz - 75Hz	V: 50Hz - 75Hz	V: 50Hz - 75Hz
	Max. Pixel Clock	135MHz	135MHz	80MHz
	Life Time	50,000hrs (Typical)	50,000hrs (Minimum)	30,000hrs (Minimum)
Input Connector	Analog	15-Pin D-Sub	15-Pin D-Sub	15-Pin D-Sub
	Digital	29-Pin DVI-D	29-Pin DVI-D	29-Pin DVI-D
	BNC Security	BNC Connector	BNC Connector	BNC Connector
Input Signal	Analog	RGB H.V Sync	RGB H.V Sync	RGB H.V Sync
	Digital	TMDS	TMDS	TMDS
	Auto Composite System	NTSC/PAL/SECAM	NTSC/PAL/SECAM	NTSC/PAL/SECAM
Output Connector	BNC Security	BNC Connector	BNC Connector	BNC Connector
NeoV Optical Glass™	Thickness	3.0mm (0.18")	3.0mm (0.18")	3.0mm (0.18")
	Reflection Rate	<1%	<1%	<1%
	Transmission Rate	>96%	>96%	>96%
	Hardness	>6H (MOH's Rating)	>6H (MOH's Rating)	>6H (MOH's Rating)
Tilt	Tilt	0° ~ +15°	0° ~ +15°	0° ~ +20°
Mounting	VESA FPMPMI	Yes (100mm)	Yes (100mm)	Yes (100mm)
Regulation Approral	Safety & EMI	FCC, UL/CUL, TUV/BAURT, CE, BSMI, ISO 13406-2, GOST	FCC, UL/CUL, TUV/BAURT, CE, BSMI, ISO13406-2, GOST	FCC, UL/CUL, TUV/BAURT, CE, BSMI, ISO 13406-2, GOST
	VESA	DDC 1/2B, DPMS	DDC 1/3B, DPMS	DDC 1/2B, DPMS
Power	Power Source	100 - 245V, 50 - 60Hz	100 - 240V, 50 - 60Hz	100 - 240V, 50 - 60Hz
	Consumption	<48W (On)	<48W (On)	<48W (On)
		<4W (Stand-by)	<4W (Stand-by)	<4W (Stand-by)
		<2W (Off)	<2W (Off)	<2W (Off)
Temperature	Operation	0°C ~ 40°C	0°C ~ 40°C	0°C ~ 40°C
Dimensions	Net (W x H x D)	444 x 419 x 175mm (17.5" x 16.5" x 6.9")	408 x 398 x 175mm (16.1" x 15.7" x 6.9")	380 x 155 x 359mm (15.0" x 6.1" x 14.1")
	Packing (W x H x D)	540 x 525 x 228mm (21.2" x 20.7 x 9.0")	495 x 510 x 228mm (19.5" x 20.0" x 9.0")	438 x 210 x 470mm (17.2" x 8.3" x 18.5")
Weight	Net Weight	7.9Kg (17.4lbs)	6.8Kg (13.9lbs)	4.8Kg (10.6 lbs)
	Gross Weight	10.7Kg (23.6lbs)	9.5Kg (20.9lbs)	7.0Kg (15.4lbs)

All specifications are subject to change without prior notice.

NeoV Optical Glass™

NeoV is a cutting edge "Optical Glass" technology that is designed into the front bezel of the AG Neovo display, to enhance the display quality and viewing comfort for the user. The patent-pending NeoV Technology is exclusively developed and owned by AG Neovo

NeoV Optical Glass™
Internal LCD Panel
Display Housing
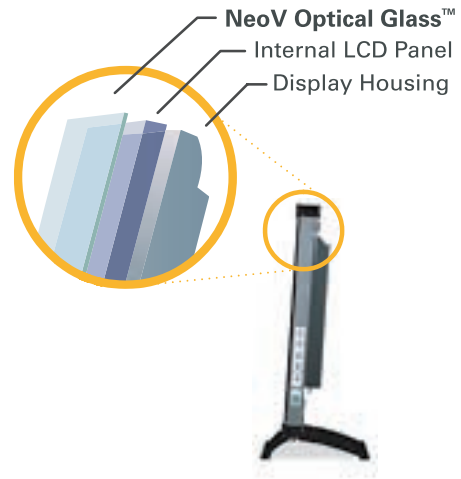
Designed for Performance
The proprietary multi-coated optic glass delivers vibrant rich colors and crystal clear image definition for ultimate clarity and reduced eye fatigue.
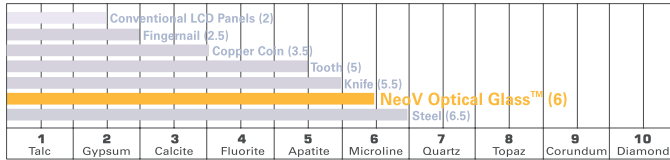
Built to Last
Protect your investment. A conventional LCD panel is soft and can be easily damaged. The hardened glass exterior of the NeoV Optical Glass™ is highly durable and scratch resistant. It protects the delicate internal LCD panel from physical damage common with conventional displays.

How does NeoV Improve an AG Neovo Display?

Panel Protection

Surface Hardness

Conventional LCD Panels (2)									
Fingernail (2.5)									
Copper Coin (3.5)									
Tooth (5)									
Knife (5.5)									
NeoV Optical Glass™ (6)									
Steel (6.5)									
1 Talc	**2** Gypsum	**3** Calcite	**4** Fluorite	**5** Apatite	**6** Microline	**7** Quartz	**8** Topaz	**9** Corundum	**10** Diamond

MOH's Hardness Rating

Anti-Reflection

Reflectance (%) vs wavelength (nm)

- Uncoated Glass
- Single-layer Coating
- Double-layer Coating
- NeoV Coating

High Transmittance

Normal Glass

100%
~ 8%
91%
~ 8%

NeoV Coating

100%
~ 0,9%
97.7%
~ 0,9%

Panel Protection
The NeoV Optical Glass™ adheres to a stringent manufacturing process that hardens the glass for added strength and quality. As with a typical LCD display, the panel hardness only reaches 2H (out of 10H) on the MOH's Hardness Scale, so the panel can be easily scratched or damaged. With the NeoV, the glass attains a measurement of 6 on the hardness scale. This hardness will protect the panel from dirt, repetitive touching or other devices that can damage the LCD panel's fragile membrane.
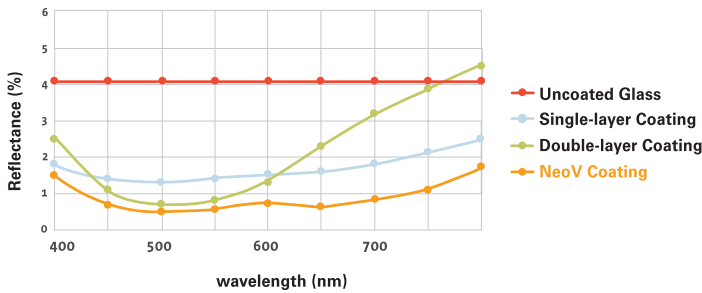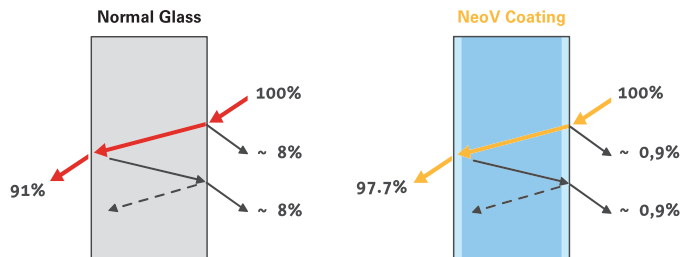
Anti-Reflection
The NeoV Optical Glass™ posses multi-layer coating, it is capable to decrease the reflection from 4.1% to 0.93%, which results in a 77.3% visual improvement.

High Transmittance
With a high 97.7% transmittance rate, the NeoV provides a nearly perfect brightness for the panel. In a typical glass, the transmittance is 91%. Both the transmittance and reflectance can be custom-made to fulfill the various environmental and customer needs.
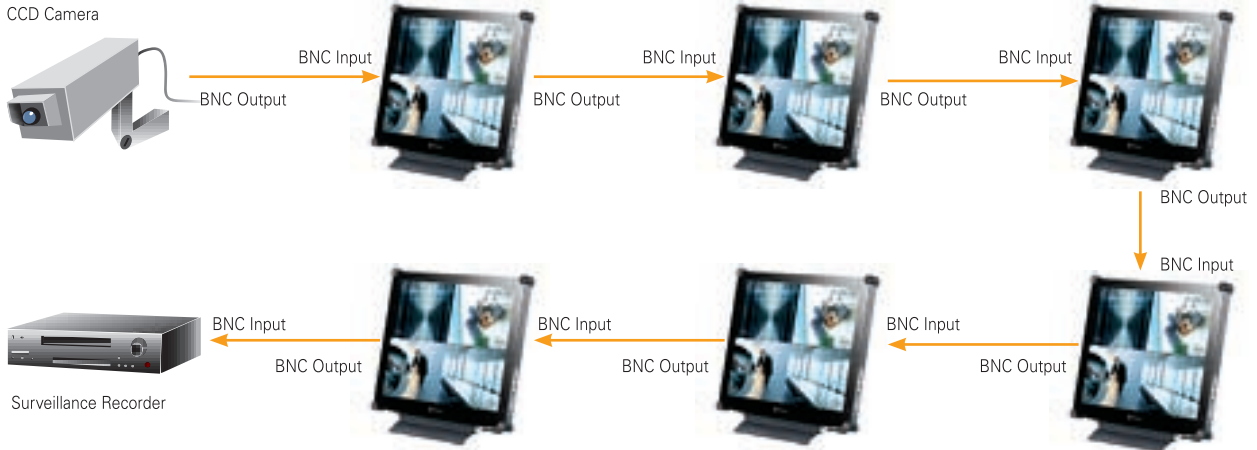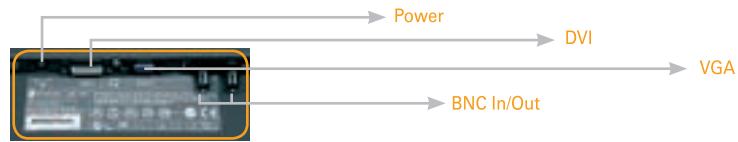
Improved Viewing Comfort
Through NeoV Optical Glass™, the color appears more softened and graceful, while making it more comfortable for extended reading periods.

Easy to Clean
NeoV Optical Glass has passed the CNS (13033) A-level acid test and B-level alkali test. The glass can be easily cleaned with water, alcohol or common cleaning solution.

Multiple Connections:

Based on different working environments or surveillance needs, a combination of different security products can be looped together for a more integrated solution.

Power

DVI

VGA

BNC In/Out

CCD Camera

BNC Input

BNC Output

BNC Input

BNC Output

BNC Input

BNC Output

BNC Output

BNC Input

BNC Input

BNC Output

BNC Input

BNC Output

BNC Input

BNC Output

Surveillance Recorder

Accessories

■ Height Adjustable Stand (ES-01)

■ Compatible with VESA standard (75 x 75mm and 100 x 100mm)
■ Height adjustment for 80mm
■ Pivot for landscape or portrait display
■ Swivel left and right for 90°
■ Tilt up and down for 30°
■ Weight capacity: 5.1~6.7Kg

■ LCD Display Arm (AG-01)

■ Wide range of angle adjustments to suit all situations
■ Conforms with VESA's FPMPMI mounting standard
■ Gas-spring system guarantees smooth and stable operation
■ Handles LCD displays up to 8.0 kg (18 lbs)

■ Pivot Mounting Kit (PMK-01)

■ Firmly fix on solid wall
■ Swivel left and right for 180°
■ Pivot upwards and downwards for 180
■ Display pivot for 270°
■ Compatible with VESA standard (75 x 75mm and 100 x 100mm)
■ Weight capacity : 7~14 kg

■ Pivot Mounting Kit (PMK-02)

■ Effortless and free stop adjustment
■ Compatible with VESA standard (75 x 75mm and 100 x 100mm)
■ Display pivot for 360°
■ Swivel left and right for 90°
■ Tilt upwards and downwards for 35°C
■ Weight capacity: 3.5~8.5Kg

■ Wall Mount Kit (WMK-01)

■ Easy to mount 2-piece bracket design
■ Compliant with VESA FPMPMI standards
■ Anodized surface prevents rust even after prolonged use
■ Accommodates LCD displays up to 18 kg (40 lbs)

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