RX-W42 Surveillance LCD Display

Product Introduction

Date: July 01, 2012
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RX-Series

Surveillance Performance

Bringing a widescreen format to high performance surveillance displays designed and tested for modern security environments

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Market Position

RX-W42

With a feature list as big as its 42" screen, the RX-W42 brings the ideal combination of size and specs to the professional security environment. Review highly-detailed, smooth and accurate images on a bright Full HD display with AG Neovo's Advanced Image Platform™. Save costs and time by taking advantage of multiple video inputs and convenient Picture-in-Picture (PIP) options. And thanks to protective NeoV™ Optical Glass, Anti-Burn-in™ technology, long-life screen and a durable metal frame, these best-run security environments will also be some of the longest-running.

Selling Points

RX-W42 Overview

- 1920 x 1080 Full HD resolution
- 4000:1 contrast ratio
- NeoV™ Optical Glass
- Anti-Burn-in™ technology
- Smart Omni Viewer: PIP , PBP and VOV functions
- Built-in Image Enhancer: 3D Comb Filter/ Deinterlace/ Noise Reduction
- Multiple video inputs (BNC in x2, BNC out x2)
- RS-232 for individual and multi-display control
- Horizontal resolution up to 630TVL (NTSC), 650TVL (PAL)
- Built-in HDCP allows HD-format Video
- Power DC-out design to power connected peripherals
- Selectable aspect ratio for ultimate image: Native, Overscan, Underscan
- NTSC/PAL video system support
- Quick signal-switching time
- Built-in Speakers & IR remote control
- Durable metal housing
- Rigorous screening of the components for mission-critical 24/7 applications

NeoV™ Optical Glass - The most trusted hard glass protection available. Only on AG Neovo displays.

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Product Features

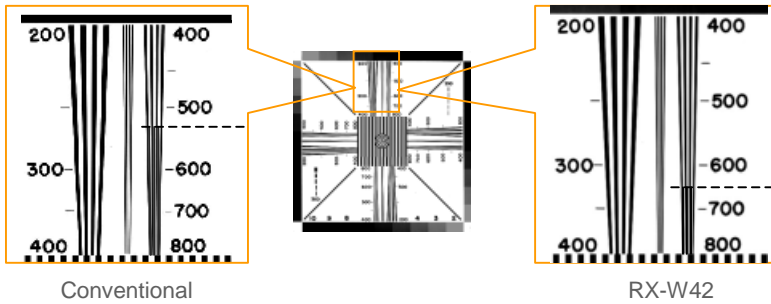## 1920x 1080 Full HD resolution

Different from other surveillance displays, the RX-W42 is able to show large amounts of data in ultimate detail

4000:1 Contrast Ratio

Crisp 4000 contrast ratio and high 450 brightness generate vibrant, detailed images and sharp graphics

High Image (Video) Resolution of 650 TV Lines

The Built-in Image Enhancer of AG Neovo's Advanced Image Platform™ flawlessly reproduces CCTV images at high resolutions of 650/PAL (630/NTSC) TV Lines

Conventional   RX-W42

NeoV™ Optical Glass for hard glass protection

Product Features (page 2)

Multiple connection inputs

Based on different surveillance needs, a combination of different video/audio ports can be used for more integrated solutions

NTSC/PAL Video System Support

For complete global support, the RX-W42 provides the utmost compatibility for NTSC and PAL video systems

Quick Signal-switching

In order to attain the goal of not missing the rapid succession of images, the RX-W42 has been tuned for rapid signal-switching (0.8 sec.) between frames

IR Remote Control

User friendly and on-screen menus for adjusting display parameters to the specific preferences
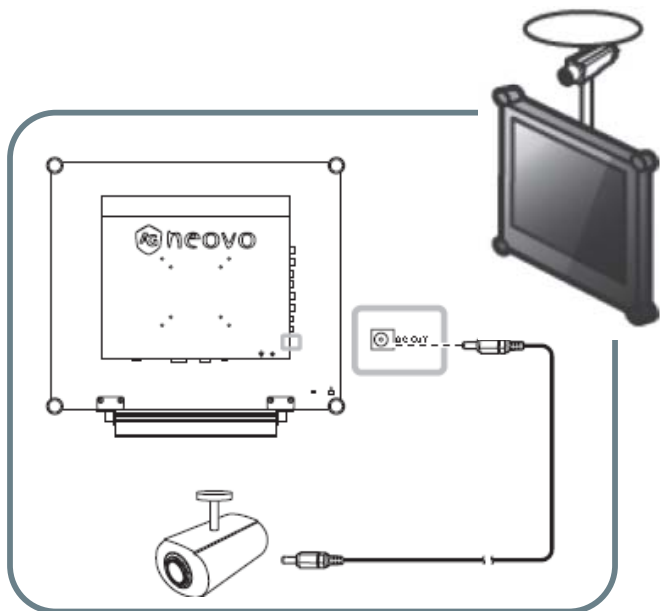
Strong metal casing for secure mounting

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Product Features

Power DC-out Design

To enjoy more hassle-free installation, RX-W42 offers users the power DC-out design to power connected security peripherals, such as CCTV camera

Extra protection of cutting off power automatically to avoid the connected device exceeding the power current

⚠ Attention: ensure that the device you are connecting to conforms to the specifications before making any connections.

Passive Looping

Passive looping automatically terminates any malfunctioning display within the daisy chain system, allowing other displays to continually receive quality feeds without disruption.

Durable metal housing for added strength

RX-Series' metal housing design enhances the strength of monitor for impact proof and product durability

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Advanced Image Platform™

RX-W42 incorporated with the latest image processing engine & innovations

Advanced Image Platform™:
> Built-in Image Enhancer
> Smart Omni Viewer

Solutions for optimised image quality and flexible image viewer options.
Featuring Built-in Image Enhancer and Smart Omni Viewer, AG Neovo's
cutting-edge image processing technology is incorporated into the displays
to fulfill the demand of security and surveillance environments

Built-in Image Enhancer

Featuring 3D comb filter, 3D Deinterlace and Noise Reduction to solve image issues – offering abundant clarity to even the most demanding security environments.

> 3D Comb Filter

It phases signals to cancel out noise by overlaying the same image on itself and resolves cross colouring (rainbow swirl) and dot crawl in high bandwidth transmission

> 3D Deinterlace

It provides the best possible image quality for interlaced video signals to prevent image aliasing issues

> Noise Reduction

It combines the information in multiple frames of video on a pixel by pixel basis, which help generate more precise noise reduction with less motion blurring artifacts

> Frame Buffer Capability

It automatically improves the unstable frame (noise) problem caused by asynchronous video sync

Without 3D Comb Filter   **With 3D Comb Filter**

Resolves cross colouring (rainbow swirl) and dot crawl

Without 3D Deinterlace   **With 3D Deinterlace**

Prevents image aliasing issues such as blurring and flickering

Without Noise Reduction   **With Noise Reduction**

Reduces signal instability, providing crystal clear image

Smart Omni Viewer: PIP, PBP and VOV displays

It allows a security manager to use a PC and view a CCTV camera at the same time. It could also allow the manager to always have a video of important camera in the corner at all times

PIP (Picture in Picture)

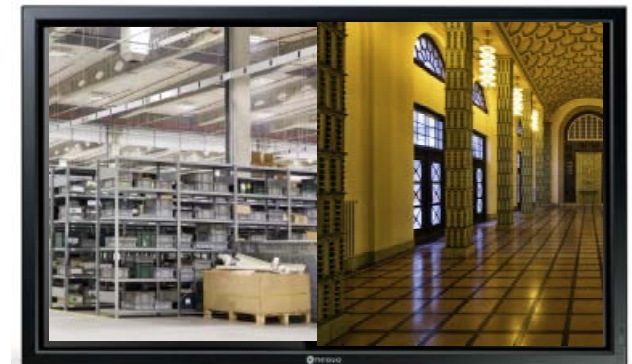It requires independent signal sources to supply the larger and the smaller picture

PBP (Picture by Picture)

It is a related feature showing two programmes side-by-side on the screen

VOV (Video on Video)

It requires independent video images to supply the larger and the smaller picture, which can connect to the video devices directly
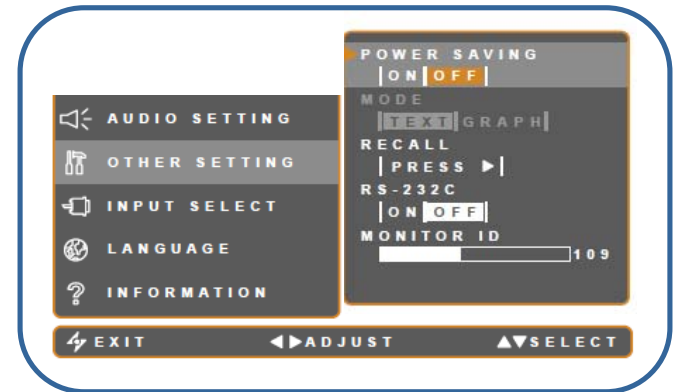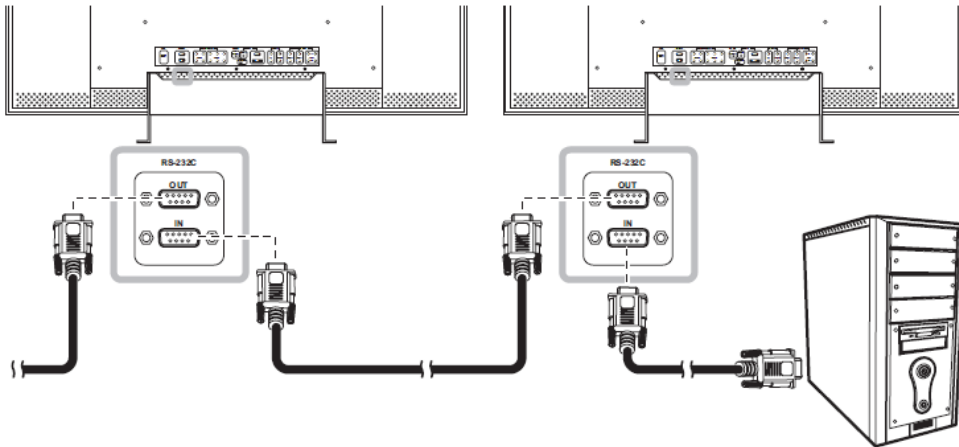

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RS-232 making multiple display control simple

By connecting a series of AG Neovo displays via RS-232, multiple displays can be controlled and operated easily and simultaneously on PC.

- ✓ RS-232, a standard of serial communication, is used for the communication between PC and displays.
- ✓ A maximum of 254 displays can be connected together.

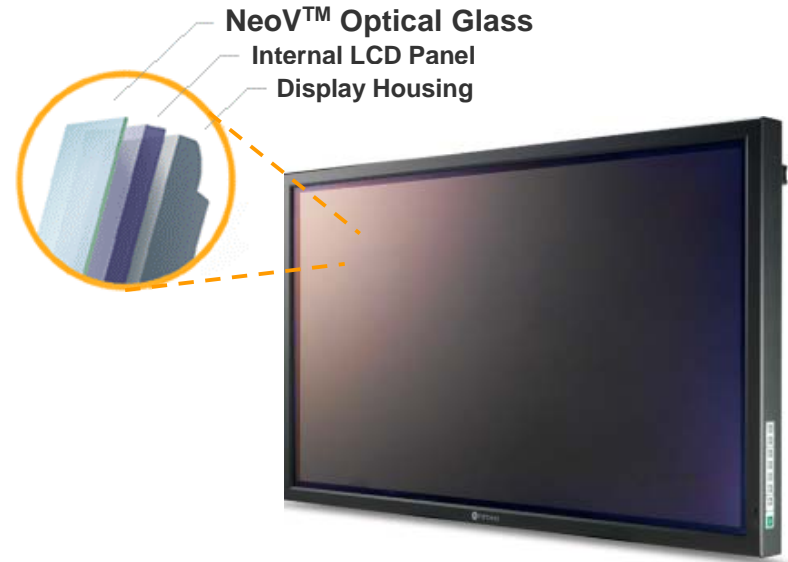Multiply Display Control (MDC) can be managed via OSD

NeoV™ Optical Glass

Designed specifically to protect displays in multi-user and public environments, NeoV™ Optical Glass is the industry's most trusted hard glass technology

NeoV™ Optical Glass Benefits

- Display Panel Protection
- Anti-reflective & Scratch-resistent Coating
- Scratch-proof & Impact-safe
- High Brightness Transmittance
- Easy To Clean
- Professional Look & Feel

NeoV™ Optical Glass
Internal LCD Panel
Display Housing

Conventional LCD Panels (2)
Fingernail (2.5)
Copper Coin (3.5)
Tooth (5)
Knife (5.5)
NeoV™ Optical Glass (6)
Steel (6.5)

MOH's Hardness Rating

NeoV™ Optical Glass is the winner of "Best Innovation Award" from PC Magazine

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Anti-Burn-in™ Technology (page 1)

AG Neovo's Anti-Burn-in™ is a cutting-edge technology designed for preventing the displayed frame from being vaguely visible and residual when applying TFT LCD displays in surveillance environments under the static charge conditions for long period of time

Advantages of Anti-Burn-in™ technology:

- Secure Your Investment
- Built to Last
- Flexibility to Turn On / Off
- Easy to Operate
- See No Intermittent Image in Visualisation

The indication "ANTI-BURN-IN ON" will be shown for 5 seconds on the central of the TFT LCD displays when Anti-Burn-in™ starts running
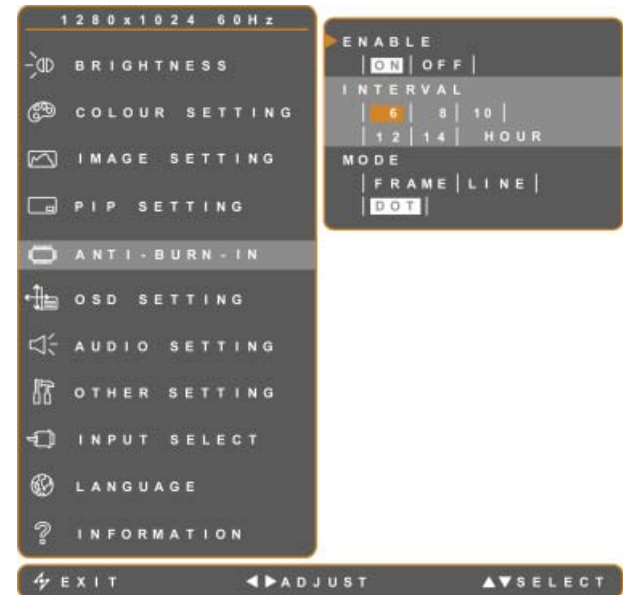
Anti-Burn-in™ Technology (page 2)

Add-on firmware design: Innovative designs that provide add-on value

Programmable Anti-Burn-in™

The cutting-edge innovation helps avoid panel burn-in under continued still picture display. Furthermore, the RX-W42 gives extra advanced programmable capability to adjust the settings at user's preference

With advanced Anti-Burn-in technology, user now can choose to enable Anti-Burn-in or disable this feature. In addition, the Interval and Mode methods can be programmable based upon the environments or specific requirements from the user.

Product Pictures

Angle/Top View

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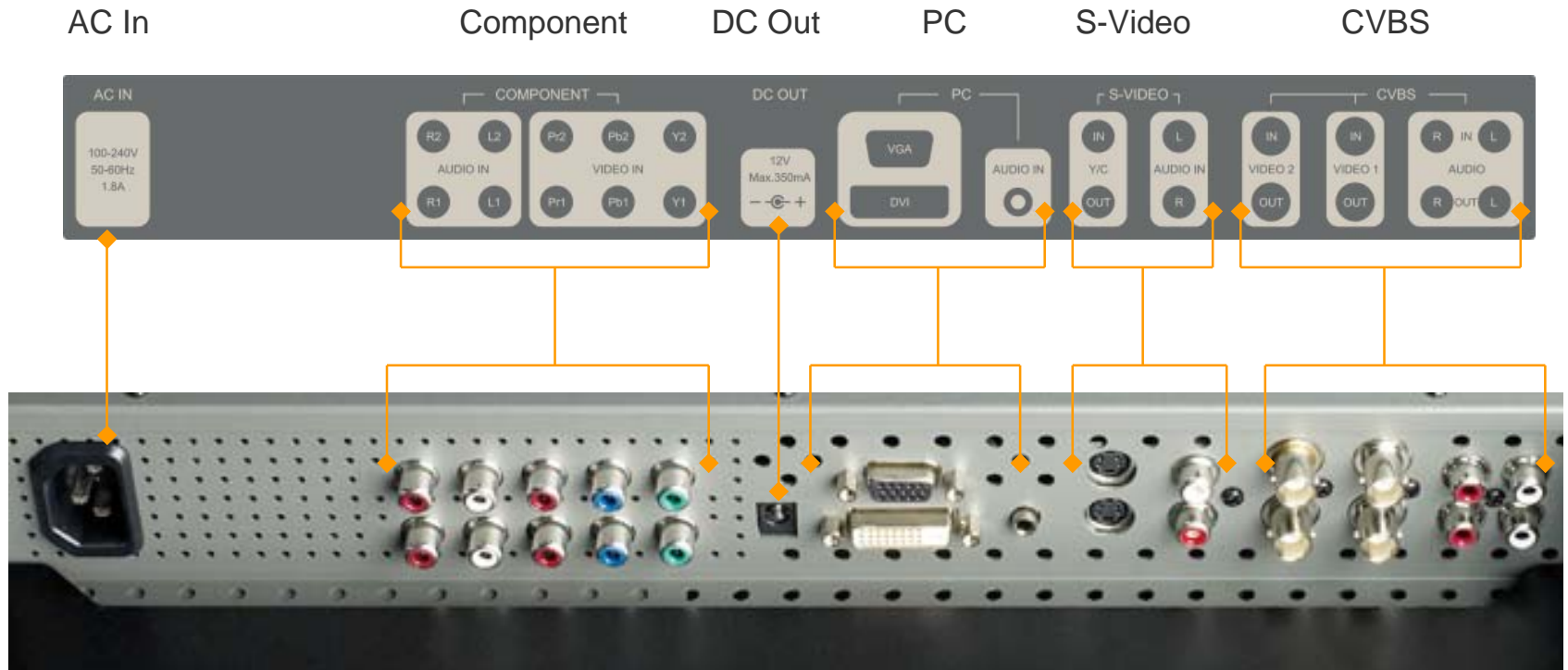# Product Pictures (page 2)

Front/Angle View
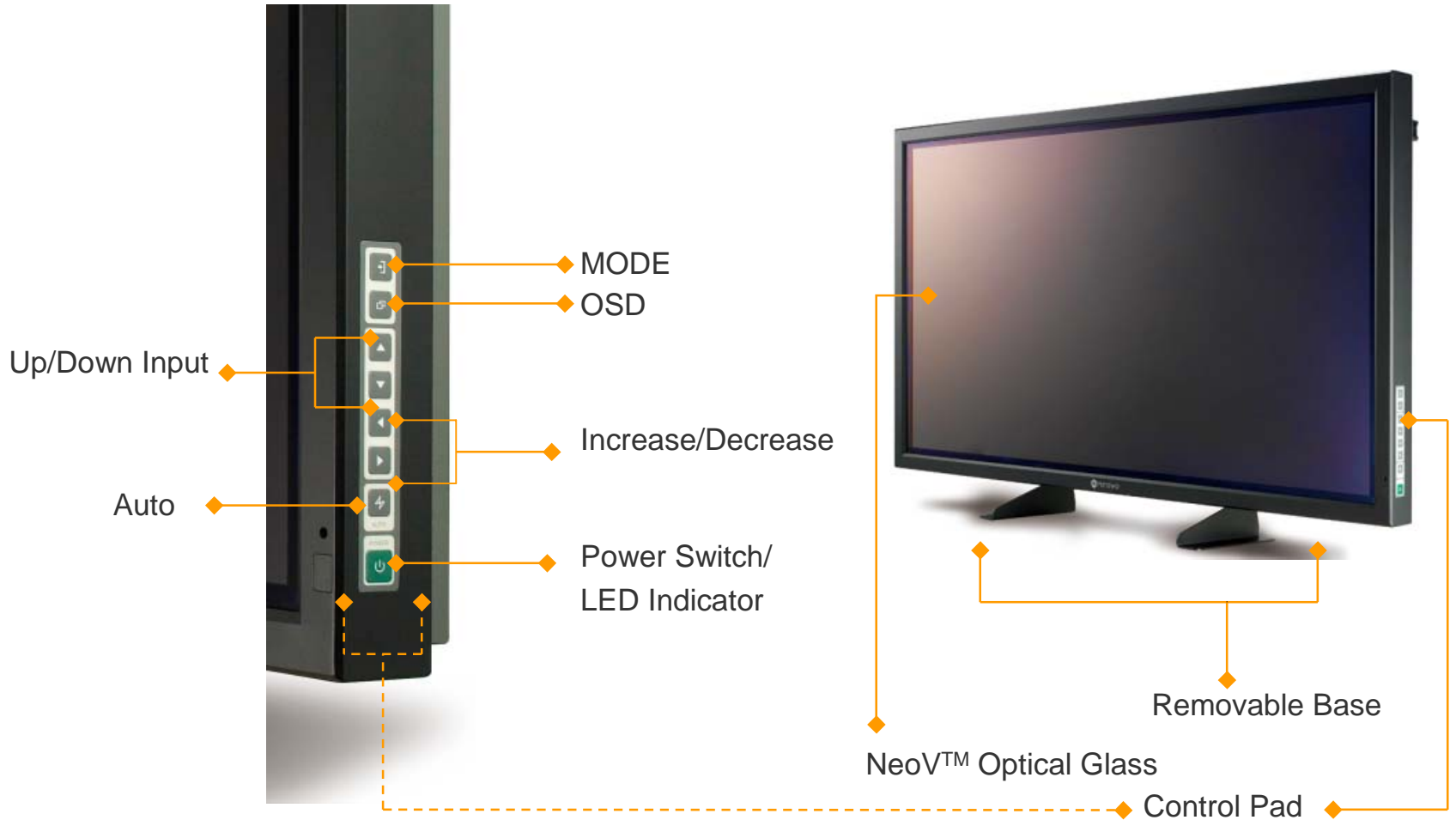
Product Pictures (page 3)

Angle/Rear View

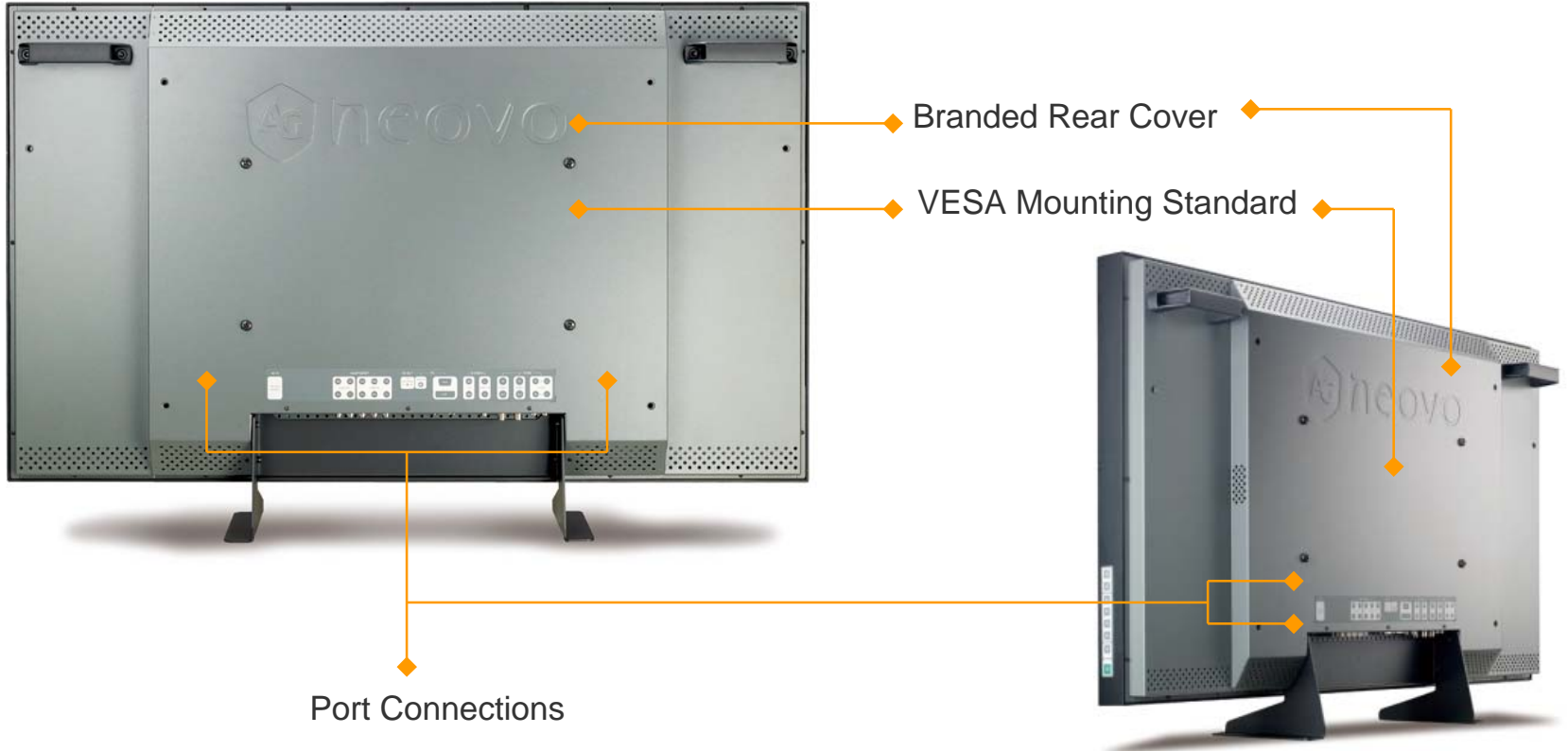# Product Pictures (page 4)

Function and Feature Highlights

AC In — Component — DC Out — PC — S-Video — CVBS

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Product Pictures

Function and Feature Highlights

MODE

OSD

Up/Down Input

Increase/Decrease

Auto

Power Switch/
LED Indicator

Removable Base

NeoV™ Optical Glass

Control Pad

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Product Pictures (page 6)

Function and Feature Highlights

Branded Rear Cover

VESA Mounting Standard

Port Connections

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Accessories

Wall Mount Kit

LMK-01

HDMI-DVI Cable

CB-01

Thank You

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