

# ADM-2155BP

**55" 1080p / 4K Resolution Multi-Touch Monitor**  
**HDBaseT / AV over IP / Computer Ready**



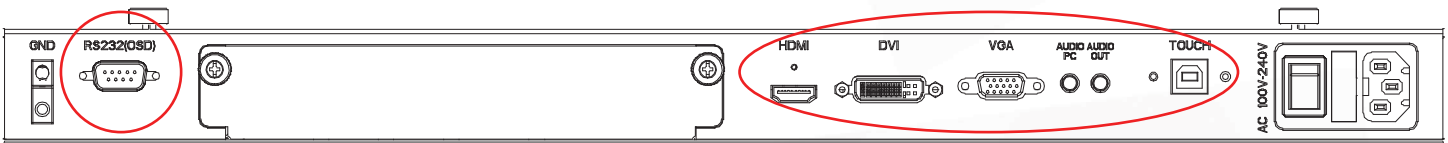
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## Features

- 55" 1920 x 1080 / 3840 x 2160 resolution
- Projective Capacitive Touch Screen option
- Rugged design, meets IP50 environmental protection requirements
- Designed for 24x7 operation
- Multi-functional expansion slot for HDBaseT extension, AV over IP extension or integrated computer
- RS-232 interface for remote OSD control

Arista's 55" large format displays are designed for demanding applications with high durability and performance requirements. ADM-2155BP is a 55" large format LCD display with 1920 x 1080 resolution and the ADM-2155BP-A01 is a 55" large format LCD display with 3840 x 2160 resolution. Both models have the projective capacitive touch screen option that supports 10-point multi-touch. The ADM-2155BP was designed to meet IP50 environmental protection requirements for applications in harsh environments. The multi-functional expansion slot provides integration of an HDBaseT receiver for the applications that need to display remote video content; the integration of an AV over IP receiver is for applications that need to display multiple video content over a network. The integration of a computer module is for a whiteboard in a classroom, conference room.



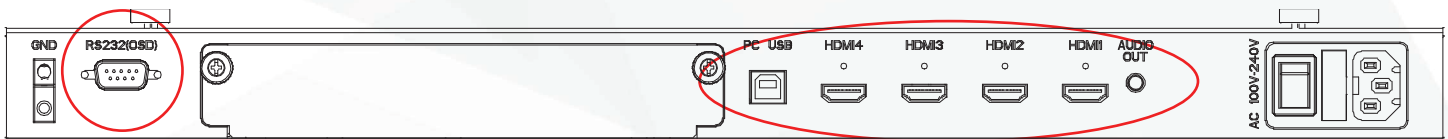
The RS-232 port on ADM-2155BP's I/O panel is for remote OSD control via RS-232 interface. The basic functions and many features of the display, such as turn on, turn off (stand-by) power of the display, video sources selection (HDMI/DVI/VGA) and brightness control can be controlled through the RS-232. The OSD will pop up on the screen when the serial command is sent.



The ADM-2155BP has HDMI, DVI and legacy analog video VGA inputs. In addition to the current digital video (HDMI and DVI) inputs, the monitor is backward compatible in case of an existing legacy analog VGA video source. On the I/O panel, there is an audio input connector to connect to a PC audio output, and audio output connector to connect to the audio amplifier. There will be a USB type-B connector on the I/O panel if the unit is selected with the touch screen option.

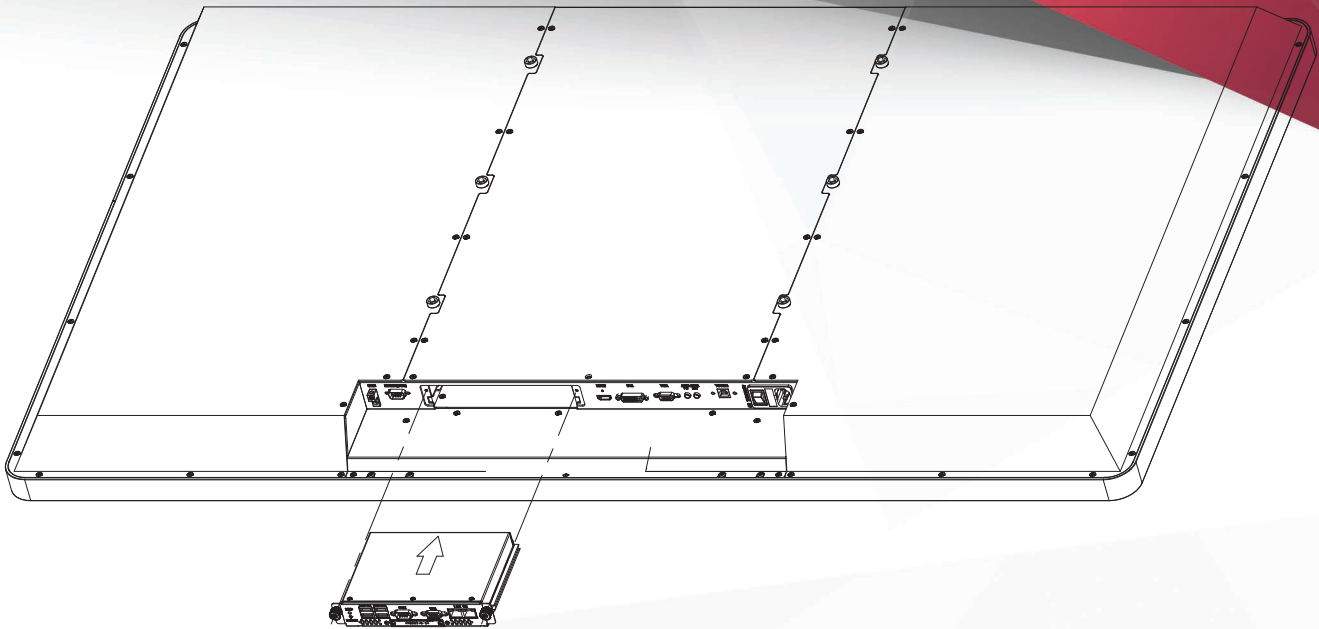


ADM-2155BP-A01 is a 3840 x 2160 / 4K resolution UHD LCD monitor with powerful quad-view functionality built-in. The RS-232 connector on ADM-2155BP-A01's I/O panel is for remote OSD control via RS-232 interface. The basic functions and many features of the display such as the turn on, turn off (stand-by) power of the display, video sources selection (HDMI-1/HDMI-2/HDMI-3/HDMI-4), and brightness control can be controlled through the RS-232. The OSD will pop up on the screen when the serial command is sent. ADM-2155BP-A01 will be shipped with the control console, MVD-108. The MVD-108 provides most of the features commonly used with just one key stroke. With the MVD-108, the user will be able to toggle the display functions between quad-view, picture-in-picture, picture-on-picture or single video content display.



ADM-2155BP and ADM-2155BP-A01 have one multi-function expansion slot that provides the integration of an HDBaseT receiver for applications that need to display remote video content; the integration of an AV over IP receiver for applications that need to display multiple video content over the network; or the integration of a computer for whiteboard in classroom, conference room.

ADM-2155BP-A01- has a quad HDMI 2.0 input displaying any one of the UHD input switcher allowing four UHD content outputs connected simultaneously. The monitor is capable of displaying any one of UHD input signals at anytime via the control of control console or RS-232 command. With its built-in quad-view video processor, ADM-2155BP-A01 is capable of displaying four video content signals in quad-view, picture-in-picture, and picture-on-picture format.



**J**



### AVC-1006-HS

AVC-1006-SH provides the ability to display the content from an SDI (Serial Digital Interface) source—eliminating all cable connections between the monitor and the video converter.

**B**



### ARD-1006-A07-RX

ARD-1006-A07-RX is a copper interface HDBaseT receiver module featuring front accessible three USB 2.0 ports and a 2-port 10/100 Mbps Ethernet pass through hub, along with an IR control port.

## Computer Module Option

**G**



### MicroBox-1100A-E01

Designed as a compact, rack mountable computer to serve as a system controller, Arista's RS-120-E01 computer is equipped with the company's MicroBox-1100A-E01 computer module running Microsoft Windows. The system features an Intel Atom E3845 1.9GHz quad-core CPU and up to 8GB DDR3 memory. The accessible ports on the front of the RS-120-E01 include a four port USB 3.0 hub, dual Gigabit Ethernet, one RS-232/422/485 BIOS selectable COM port, a CFast slot, and a VGA port. The unit's rear accessible ports include one HDMI port, one USB 2.0 connector, one RS-232/422/485 BIOS selectable COM port, an audio out jack, and a power on/off switch.

**D**



### ARD-1006-A31-RX

ARD-1006-A31-RX is a copper interface AV over IP receiver module featuring a 2-port USB 2.0 hub and a Gigabit Ethernet pass through port, an IR control port along with an audio output jack.

**F**



### ARD-1006-B31-RX

ARD-1006-B31-RX is a fiber interface AV over IP receiver module featuring a 2-port USB 2.0 hub and a Gigabit Ethernet pass through port, an IR control port along with an audio output jack.

Specifications	ADM-2155BP-001/Z01	ADM-2155BP-A01-001/Z01
<b>LCD Display</b>		
Display Size (Diagonal)	55"	
Resolution	1920 x 1080	3840 x 2160
Backlight Lifetime (Hours)	50,000 hours	
<b>Visual Characteristics</b>		
Colors	1073.7 million	
Aspect ratio	16:9	
Viewing angle (V/H)	178° / 178°	
Response time (Typical)	6.5 ms	
Pixel Pitch (mm)	0.63 x 0.63   0.315 x 0.315	
Contrast ratio	4000 : 1	
Brightness	500 nits	450 nits
<b>Input Interface</b>		
VGA	X1	N/A
DVI	X1	N/A
HDMI	X1	X4
Display Port	N/A	N/A
CVBS	N/A	N/A
YPbPr	N/A	N/A
<b>Touch Screen</b>		
Technology	Projected Capacitive	
Touch rating	50 million touches	
Interface	USB	
Driver	Windows 7 & up	
<b>Enclosure</b>		
Type	Metallic Housing	
Color	Black	
<b>Power / Thermal Specs</b>		
Power Requirement (Max)		
Power Consumption (Max)		
Recommended Power Supply		
Heat Dissipation		
<b>Physical Information</b>		
Mounting	VESA Mount	
Net Weight	N/A	
Physical Dimension (WxHxD)	50.72 x 30.27 x 3.25 inch 1288.3 x 768.9 x 82.6 mm	
Cutout Dimension (WxH)	N/A	
<b>Environmental</b>		
Operating Temperature	0°C to 50°C (32°F to 122°F)	
Storage Temperature	-20°C~60°C (-4°C~140°F)	
Relative Humidity	5% to 95% non-condensing	
IP/NEMA Rating	Meets IP50	
Certification	N/A	

## Dimensional Drawing

