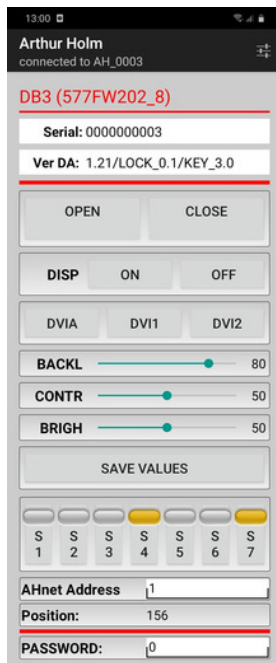


## DB3

HDCP compliant aluminum retractable motorized monitor



AHlink : the App for setup, control and diagnose



## Highlights

- Vertical motorized monitor with inclination of 20-90°
- Adjustable tilt angle with memory
- Automated hatch in black acrylic glass or for table surface matching
- Milled black anodized aluminum housing
- Interactive Setup Display (ISD)
- HDCP compliant
- Energy saving design, low consumption video controller
- RS-422/RS-485 Full Duplex I/O
- Wireless connectivity for setup and control via AHlink when ERT installed
- Auto mechanical Movement Calibration (AH-AMMC)

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Albiral Display Solutions SL · Fàtima, 25 · 08512 Sant Hipòlit de Voltregà · Barcelona, Spain · +34 938 502 376 · marketing@arthurholm.com · www.arthurholm.com

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## General

Professional motorized monitors with a minimal impact on the table's design when retracted and an astonishing impact on the table when ejected with an adjustable monitor's position from 90° to 20°.

The design of the automated hatch allows it to be matched to the table surface by adding the same material as the tabletop on top of it (optional), providing a streamlined finish to the furniture. The automated hatch is made of black acrylic glass.

The user can adjust the screen position for comfort and visibility, with full view of the other participants around the table. The screen inclines smoothly towards the user, who can adjust the monitor's position by simply touching a capacitive button located on the glass of the screen, stop the movement and lock the position at the desired angle. A memory function will allow to store and recall the desired position.

The screen housing is made of black anodized aluminum and is protected with an anti-reflective 2 mm black edged glass. DB3 are available from 17.3" to 23.8" with 2 HDCP compliant DVI or HDMI inputs and equipped with an Interactive Setup Display (ISD) allowing the control, setup and diagnose of the monitors. Monitors provide RS-422/RS-485 Full Duplex allowing the remote control of movements, speed, safety settings, brightness, contrast and backlight levels. The monitors are equipped with Auto Mechanical Movement Calibration (AH-AMMC). The use of Arthur Holm's ERT will enable the address configuration of all the monitors installed in a table by simply pressing a button. The monitors are compatible with the AHlink Android and iOS App allowing access to the setup, diagnose and monitors' control.

## Technical Specifications

### Display

|                     |                                                                   |
|---------------------|-------------------------------------------------------------------|
| Size                | Full HD 17.3" TFT Active Matrix, widescreen format. LED backlight |
| Resolution          | 1920 (h) x 1080 (v)                                               |
| Brightness 400cd/m2 | 480 cd/m2                                                         |
| Contrast ratio      | 1100:1                                                            |
| Pixel               | 0.1989 (h) x 0.1989 (v) mm                                        |
| Viewing angle       | 85°/85° (u/d) 85°/85° (l/r)                                       |
| Viewing area        | 389.888 (h) x 227.612 (v) mm                                      |
| Response time       | Tr + Tf 16 ms                                                     |
| Temperature         | Operating 0°C ~ +40°C<br>Storage -20°C ~ +60°C                    |

### Materials

|                 |                                                                                             |
|-----------------|---------------------------------------------------------------------------------------------|
| Monitor housing | Solid mechanized aluminum housing with black anodized finish. Front black serigraphed glass |
| Hatch           | Black acrylic glass                                                                         |
| Base plate      | Black acrylic glass                                                                         |

### Connectivity

|                           |                                                                         |
|---------------------------|-------------------------------------------------------------------------|
| Input signal              | DVI-I (1 input) HDCP compliant<br>DVI-D (1 input) - HDCP compliant      |
| RJ45 CAT6 FTP (with loop) | Addressable RS-422/RS-485 Full Duplex monitor control by AHnet protocol |
| GPI (SubD9)               | Up/Down control (opto isolated)                                         |
| USB                       | For service (firmware upgrades)                                         |

### Electrical

|                       |                             |
|-----------------------|-----------------------------|
| External power supply | 100-240 Vac, 50/60Hz, 12Vdc |
| Power consumption     | 70W                         |

### Control

|                                                                                                 |
|-------------------------------------------------------------------------------------------------|
| RJ45, RS-422/RS-485 Full Duplex(I/O), AHnet protocol                                            |
| AHlink via ERT                                                                                  |
| Addressing                                                                                      |
| Termination switch                                                                              |
| GPI                                                                                             |
| IR Remote control (monitor adjustments): 1 remote control is provided every 5 motorized devices |

### Movement's Control

|                           |                                            |
|---------------------------|--------------------------------------------|
| User interface on monitor | (Up/Down/Close)<br>Capacitive touch sensor |
| Remote                    | RS-422/RS-485 Full Duplex (I/O), GPI       |
| AHlink                    | Via ERT                                    |

### Accessories

|                 |                         |
|-----------------|-------------------------|
| ERT-30 / ERT-60 | Ethernet Interface Unit |
|-----------------|-------------------------|

### Mechanical Dimensions

|                         |                                                   |
|-------------------------|---------------------------------------------------|
| Screen                  | 414 x 16 x 281.5 mm<br>[16.30" x 0.63" x 11.08"]  |
| Top frame               | 430 x 47 mm<br>[16.93" x 1.85"]                   |
| Housing below the table | 498 x 145.5 x 601 mm<br>[19.61" x 5.73" x 23.66"] |
| Weight                  | 19.4Kg / 42.1Lbs                                  |

### Packaging Dimensions

|        |                   |
|--------|-------------------|
| Box    | 635 x 265 x 725mm |
| Weight | 20kg              |

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## Options and accessories

- 2/HDMI inputs
- Projected capacitive multi-touch screen
- DynamicLoop
- DynamicShare
- Built-in DynamicTalk
- Integrated USB camera
- Retractable USBC cable
- Automated hatch ready for veneering with capacitive sensor
- ERT-30 / ERT-60

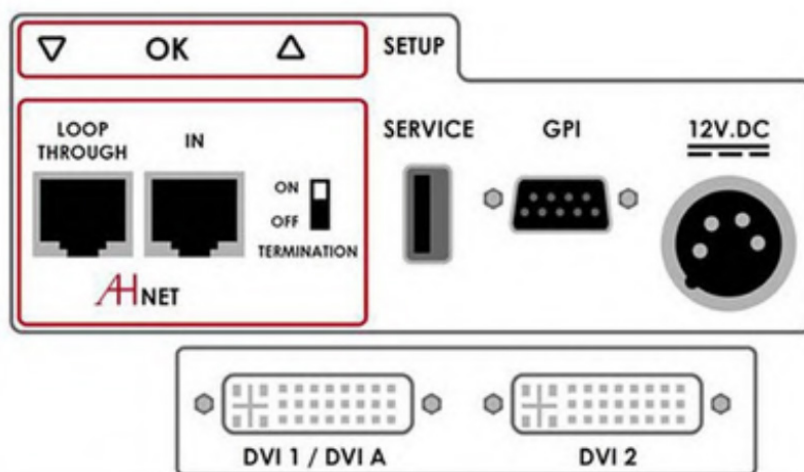
## Warranty

- 2 years general warranty

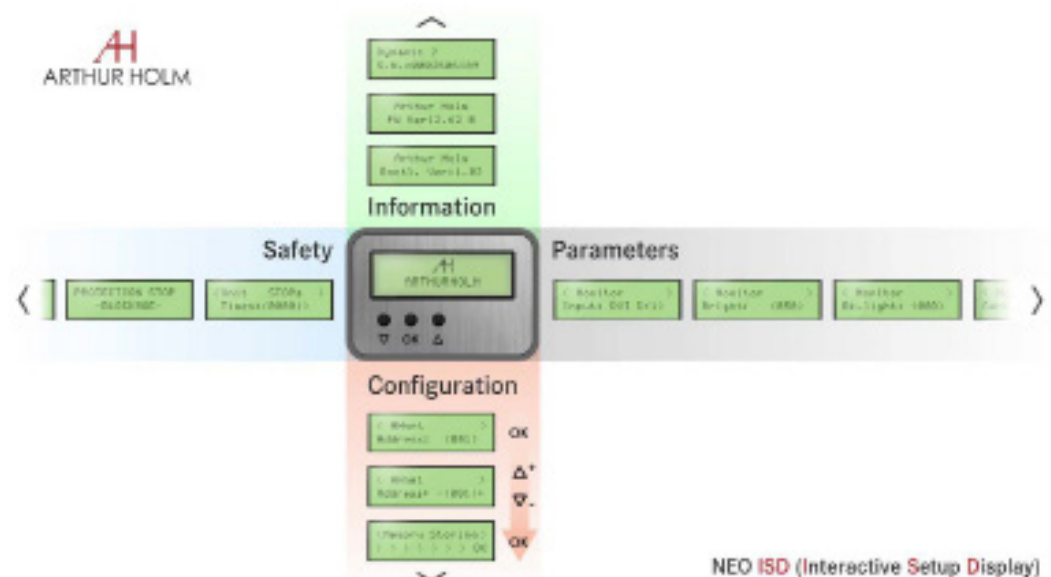
## Certifications

- CE
- IECEE
- CB
- RoHS

## Connectivity Panel



## Interactive Setup Display (ISD)



### Consultants, architects and engineers specifications

Vertically motorized 17.3" Full HD professional monitor with an inclination from 90 to 20 degrees on the table surface.

The monitor housing shall be made of milled anodized aluminum with a maximum thickness of 16 mm and the screen shall be protected with an anti-reflecting 2mm glass.

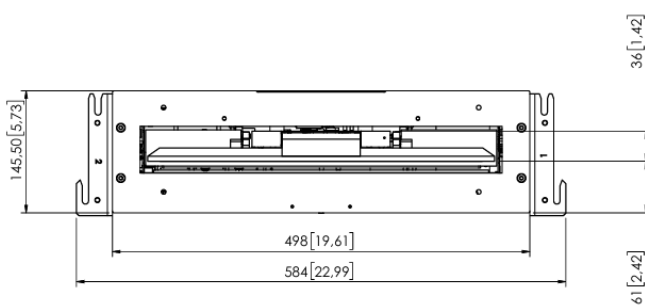
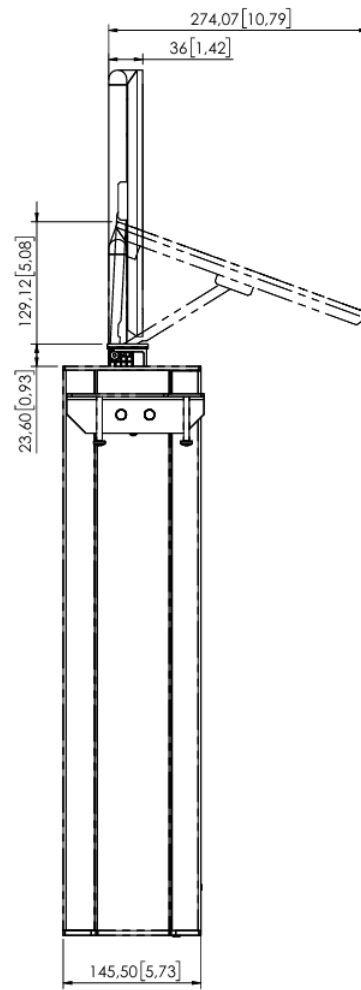
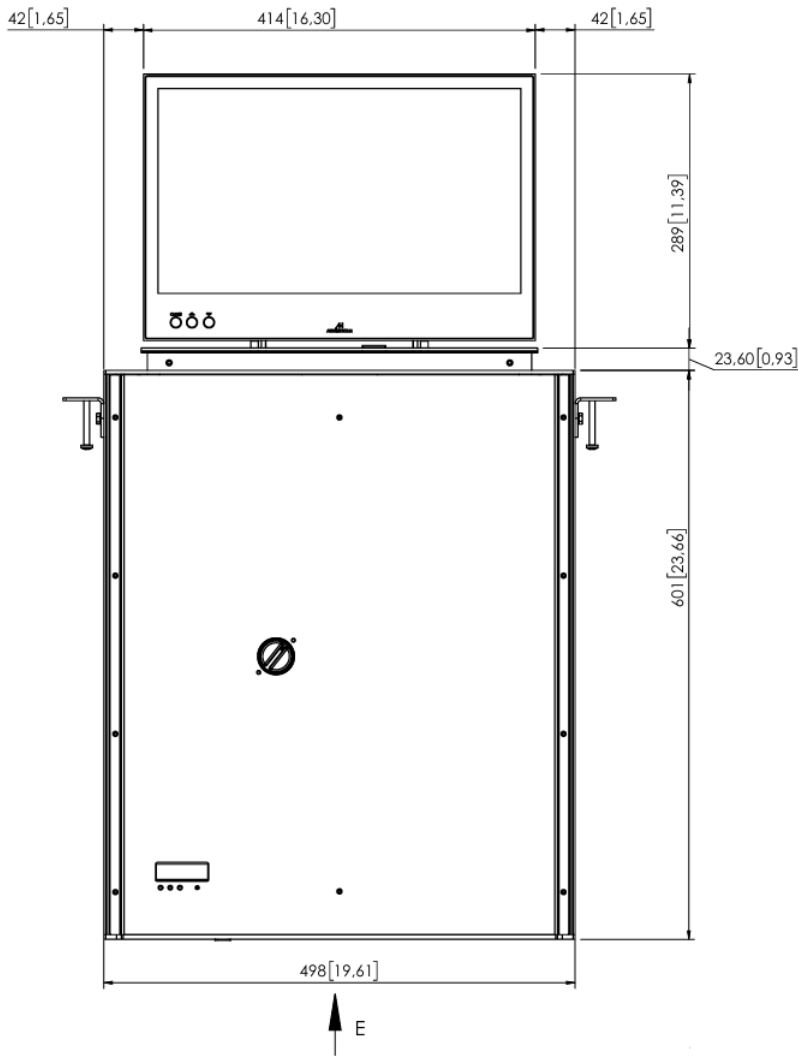
The automated hatch shall slide down inside the mechanism and shall close the table cut off flush on the table.

A capacitive button shall be placed on the automated hatch to activate the monitor's movement. The movements of the monitor shall be controlled by 3 buttons located on the monitor's front glass; the user shall memorize the monitor's position, by pressing both movement control buttons simultaneously. Optionally, an

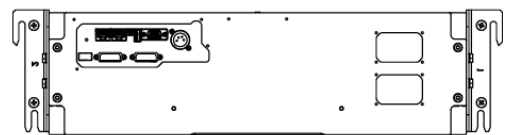
Input Source Selection shall be located on the monitor's front glass to switch between the different signal inputs. The monitor shall have a brightness of 480 cd/m2, and a contrast ratio of 1100:1.

The monitor shall provide 2 DVI HDCP inputs by a licensed HDCP manufacturer. The monitor shall provide a USB port for firmware upgrades. The monitor shall provide RS-422/RS-485 Full Duplex for the AHnet protocol and an Easy-to-Read Interactive Setup Display (ISD) for the setup, diagnose and control, and shall be compatible with ERT-30 and ERT 60. The monitor shall be compatible with the AHlink wireless Android and iOS App for the setup, diagnosis and control.

## General Dimensions



VIEW E



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