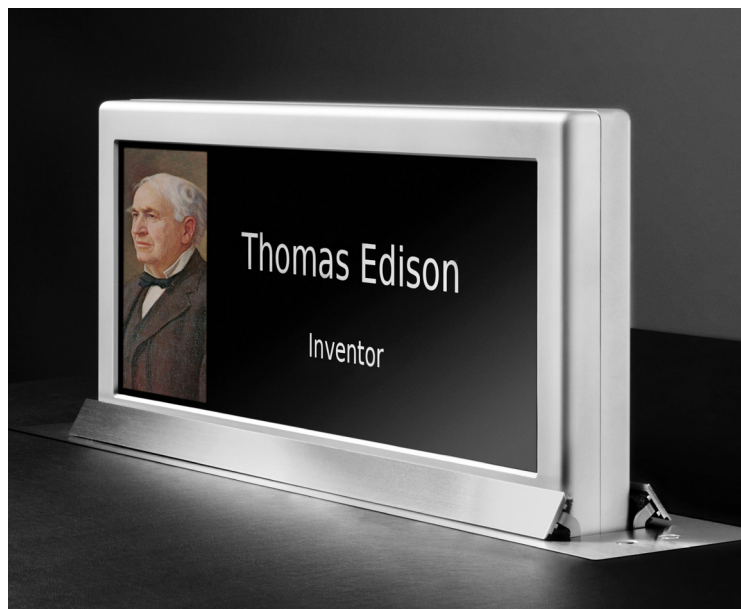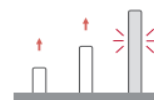# DynamicSignatureDisplay

Aluminum retractable double-sided motorized solution for digital labelling





**Arthur Holm**
connected to AH_0000

**Dynamic2 (577FW202_7)**

**Serial:** 0000000000

**Ver:** 0.1

## Control

| MOV | UP | DOWN |
|---|---|---|

**Command:** 00:00:00:00:00

| S1 | S2 | S3 | S4 |
|---|---|---|---|

**AHnet Address** 1

**Position:** 0

**PASSWORD:** 0

## Highlights

- Vertical motorized HDCP compliant double-sided retractable monitor
- Passive cover plate
- Interactive Setup Display (ISD)
- Maintenance free
- Energy saving design, low consumption video controller
- Serial control and remote diagnosis
- Wireless connectivity for setup and control
- Auto Mechanical Movement Calibration (AH-AMMC)
- Compatible wireless connectivity for setup and control via AHlink

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## General

The DynamicSignatureDisplay is a vertically retractable solution with two half screens placed back-to-back in a compact anodized aluminum frame. The DynamicSignatureDisplay is a retractable digital labelling monitor for auditoriums, meeting and conference rooms, institutions and public communication spaces. The monitor is only visible when required, disappearing inside the table by just the touch of a button or by remote control. The side of the screen facing the audience will display the picture and name of the conference participants, and the information in the other side allows the attendee to identify their seat.

The DynamicSignatureDisplay is equipped with a Linux based player, with TCP/ IP interface for control, configuration and content upload and management. The system is ideal for name tagging applications over a single Ethernet connection per monitor.

The system needs a dedicated network to operate. It is necessary to add a server, and the management software is pre-installed and configured from factory.

The monitors are equipped with Auto Mechanical Movement Calibration (AH-AMMC). The use of the Arthur Holm's ERT will enable the address configuration of all the monitors installed in a table by simply pressing a button. The monitor is compatible with AHlink Android and iOS app allows access to the setup, diagnose and control menus.

## Technical Specifications

### Display

| Size | 18.5" TFT Active Matrix, half widescreen |
|---|---|
| Resolution | 1920 (h) x 1080 (v) |
| Brightness | 500 cd/m2 |
| Contrast ratio | 1000:1 |
| Pixel | 0.213 (h) x 0.213 (v) mm |
| Viewing angle | 89°/89° (u/d) 89°/89° (l/r) |
| Viewing area | 408.96 (h) x 230.04 (v) mm |
| LED backlight lifespan | 50,000 hrs |
| Response time | Tr + Tf 20ms |
| Temperature (operating/storage) | Operating 0ºC ~+40ºC Storage -20ºC ~+60ºC |

### Materials

| Monitor housing | Anodized Aluminum |
|---|---|
| Cover plate | Stainless Steel |

### Connectivity x2

| RJ45 CAT6 ftp | Network ethernet connection. Embeded LINUX integrated with special software for Signature Name, externally controlled by LINUX server |
|---|---|
| RJ45 CAT6 ftp (with loop) | Addressable RS-422/RS-485 Full Duplex monitor control by AHnet protocol |
| GPI (SubD9) | Up/Down control |
| USB | For service |

### Control

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

### Movements Control

| User interface on monitor | (Up/Down) |
|---|---|
| Remote | RS-422/RS-485 Full Duplex I/O, GPI |

### Electrical

| External power supply | 100-240 Vac, 50/60Hz, 12Vdc |
|---|---|
| Power consumption | 90W |

### Mechanical

| Screen | 461 x 200 x 40m [18.15" x 7.88" x 1.58"] |
|---|---|
| Cover plate | 575 x 95 x 3mm [22.63" x 3.74" x 0.118"] |
| Housing below the table | 556 x 83.5 x 590mm [21.88" x 3.29" x 23.22"] |
| Weight | 22 Kg / 48.5 Lbs |

## Options

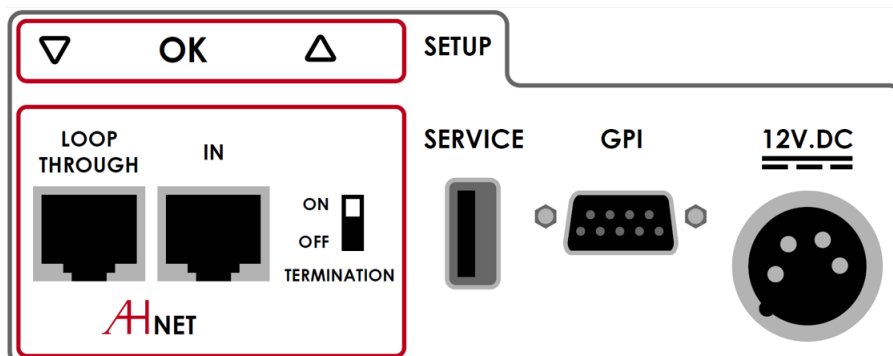• AHDSServer (server system)

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## Warranty

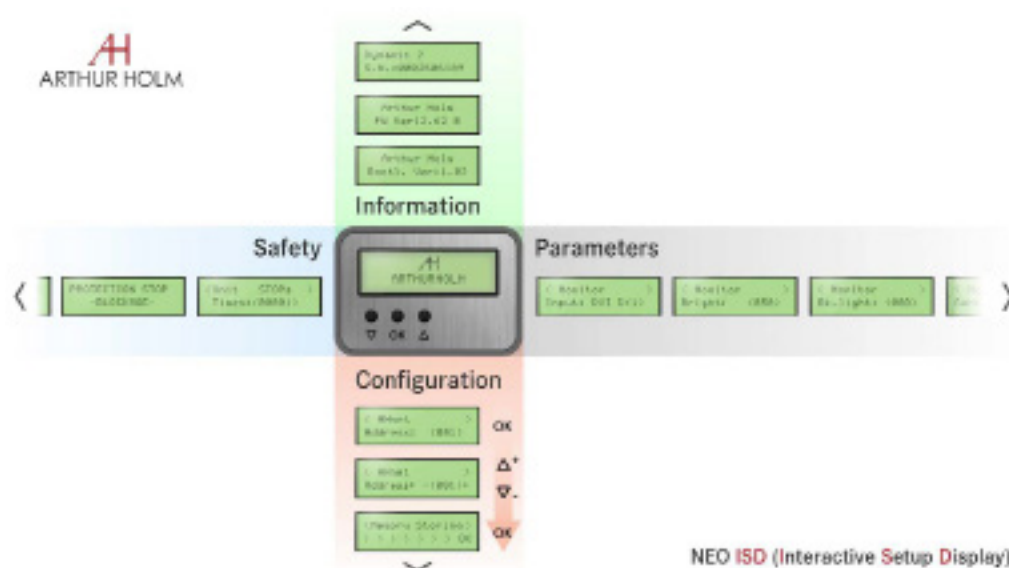- 5 years limited warranty
- 2 years general warranty

## Certifications

- CE
- FCC
- IECEE

## Connectivity Panel



## Interactive Setup Display (ISD)



Screen to configure the monitor address in the RS422 AHnet.

## Consultants, architects and engineers specifications

Vertically retractable motorized 18.5" professional solution with two half monitors placed back-to-back in a compact anodized aluminum frame. The monitor housing shall be made of milled anodized aluminum and the cover plate shall be made of brushed stainless steel. The monitors shall have a brightness of 500 cd/m2, a contrast ratio of 1000:1 and a backlight lifespan of 50.000 hours. The solution shall provide Ethernet inputs per each monitor (2) with an Interactive Setup Display (ISD) allowing the control, setup and diagnose of the monitors. The solution shall provide 2 embedded PCs and a Linux based software.
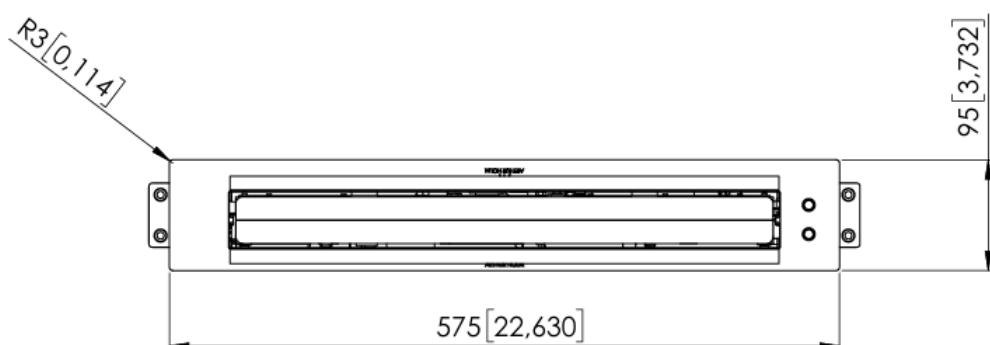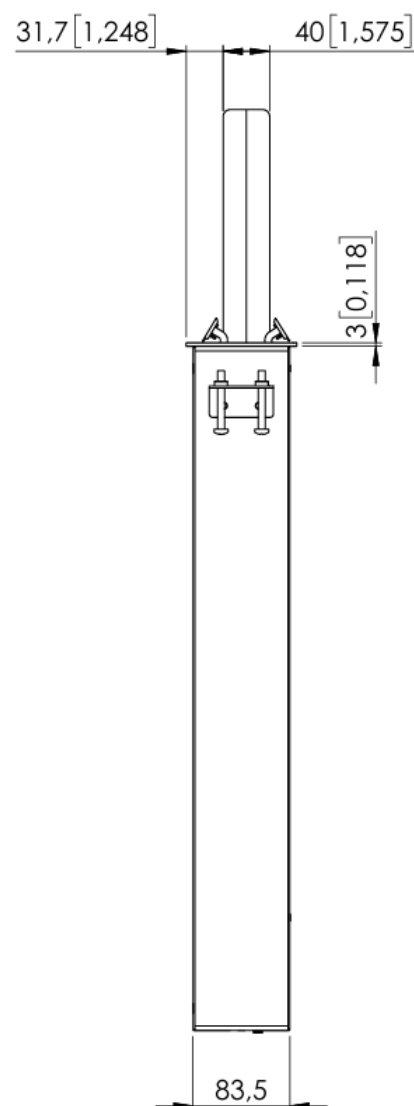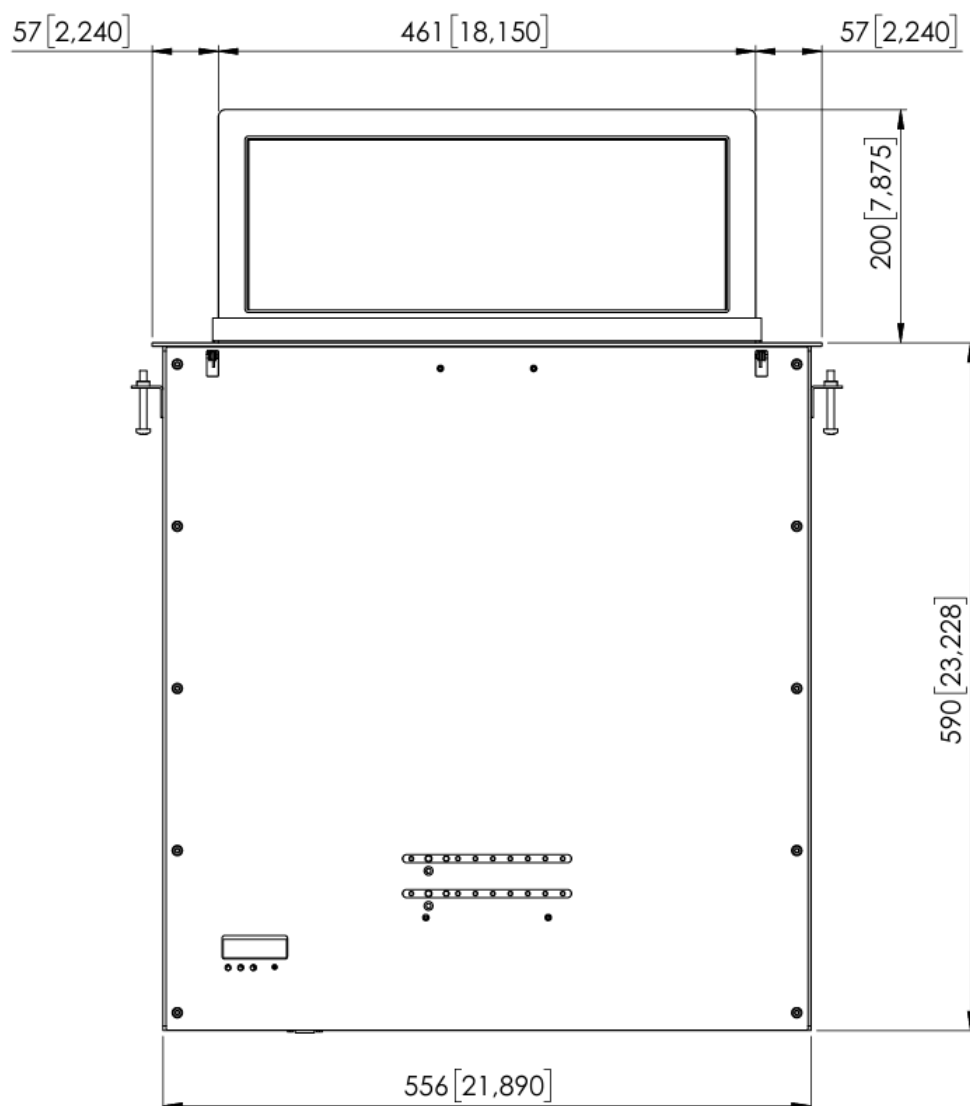
The monitor shall provide an addressable RS-422 / RS-485 Full Duplex and an easy-to-read interactive setup display (ISD) for the setup, diagnose and control, and shall be compatible with ERT-30 and ERT 60. The use of the Arthur Holm's ERT will enable the address configuration of all the units installed in a table by simply pressing a button.

The monitor shall be able to run an auto-adjustment program to reset the factory security ratio between its factory movement speed and its protection parameters adapting the unit to the way it has been installed. The monitor shall provide a USB port for firmware upgrades. The monitor shall be compatible with the AHlink wireless Android and iOs App for the setup, diagnosis and control.

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# AH19DSDA2F

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