

## DynamicChairDisplay

HDCP compliant aluminium motorised monitor for armrest integration



### FEATURES

- Adapts to multiple armrests
- Motorised adjustable angle
- Panic functionality
- Maintenance free
- Energy saving design, low consumption video controller
- Serial control and remote diagnosis
- Wireless connectivity for setup and control
- Individual monitor addressing
- Auto Mechanical Movement Calibration (AH-AMMC)

### GENERAL

Arthur Holm DynamicChairDisplay is a retractable motorised monitor to be integrated in chair armrests. The monitor is only visible when it is in use and it is safely stored in the armrest when not needed. This elegant aluminium screen possesses an automatic vertical extraction movement plus an additional manual rotation towards the user followed by a motorised tilt adjustment. The monitor housing is made of milled aluminium with anodised finish. Its mechanism is robust and silent and the whole solution is integrated in a compact block, being very simple to install.

## Display

|                                 |  |
|---------------------------------|--|
| Size                            | FULL HD 15.6" TFT Active Matrix, widescreen  |
| Resolution                      | 1920 (h) x 1080 (v)                          |
| Brightness                      | 400 cd/m2                                    |
| Contrast ratio                  | 1500:1                                       |
| Pixel                           | 0.17925 (h) x 0.17925 (v) mm                 |
| Viewing angle                   | 85°/85° (u/d) / 85°/85° (l/r)                |
| Viewing area                    | 344.16 (h) x 193.59 (v) mm                   |
| LED backlight lifespan          | 70,000 hrs                                   |
| Response time                   | Tr + Tf 35 ms                                |
| Temperature (operating/storage) | Operating 0°C ~+40°C<br>Storage -20°C ~+60°C |

## Materials

|                 |                    |
|-----------------|--------------------|
| Monitor housing | Anodised Aluminium |
|-----------------|--------------------|

## Connectivity

|                       |  |
|-----------------------|--|
| Input signal          | DVI-I (1 input) – HDCP Compliant<br>DVI-D (1 input) – HDCP Compliant |
| RJ45 CAT5 (with loop) | Addressable RS422 monitor control by AHnet protocol                  |
| USB                   | For service  |

## Control

|                                    |
|------------------------------------|
| RJ45, RS-422 (I/O), AHNet protocol |
| Addressing                         |
| Termination switch                 |

## Movement's Control

|                           |            |
|---------------------------|------------|
| User interface on monitor | (Up/Down)  |
| Remote                    | RS-422 I/O |

## Electrical

|                       |                             |
|-----------------------|-----------------------------|
| External power supply | 100-240 Vac, 47/63Hz, 12Vdc |
| Power consumption     | 50W                         |

## Mechanical

|                      |   |
|----------------------|---|
| Monitor Dimensions:  |   |
| Weight               | 16 Kg / 35.2 Lbs                                |
| Shipping Dimensions: |   |
| Weight               | 17 Kg / 37.4 Lbs                                |
| Shipping Box         | 740 x 610 x 175 mm<br>[29.13" x 24.01" x 6.88"] |

## OPTIONS

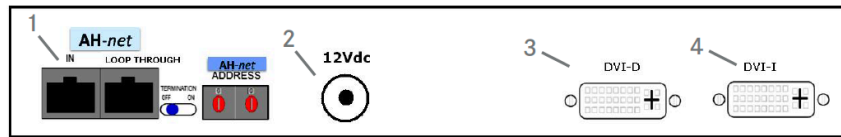
- Projected capacitive multi-touch screen
- USB Power
- Synchronised mic

## WARRANTY

- 5 years limited warranty
- 2 years general warranty

## CERTIFICATIONS

- CE
- FCC
- IECEE



## CONNECTIVITY

- 1- AHnet control interface
- 2- Power input
- 3- DVI-D video input - digital
- 4- DVI-I video input - analog/ digital

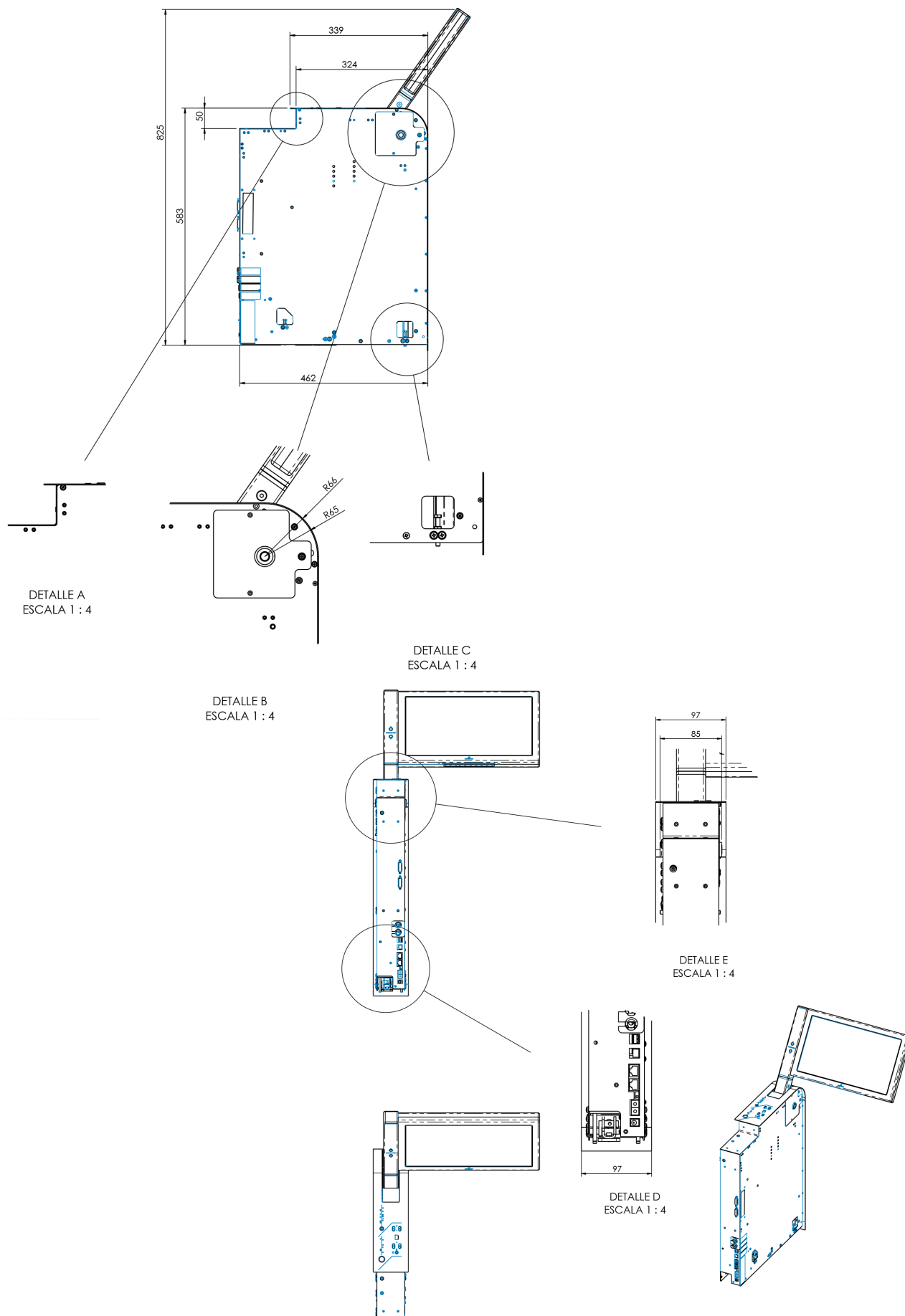
## CONSULTANTS, ARCHITECTS AND ENGINEERS SPECIFICATIONS

The aluminum monitor shall provide a motorised lifting and angle adjustment with a single electrical engine. The monitor shall provide a manual horizontal adjustment (rotation towards the user) for the user's safety.

The monitor housing shall be made of milled anodised aluminium and shall have a brightness of 400 cd/m<sup>2</sup>, a contrast ratio of 1500:1 and a backlight lifespan of 70,000 hours.

The monitor shall provide 2 DVI HDCP inputs by a licensed HDCP monitor manufacturer. The monitor shall provide an addressable

RS-422. The monitor shall provide a USB port for firmware upgrades. The monitor shall be controlled by a wireless Android and iOS app providing information about the monitor's serial number, and providing access to the control and to the setup menu.



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Technology serving Design