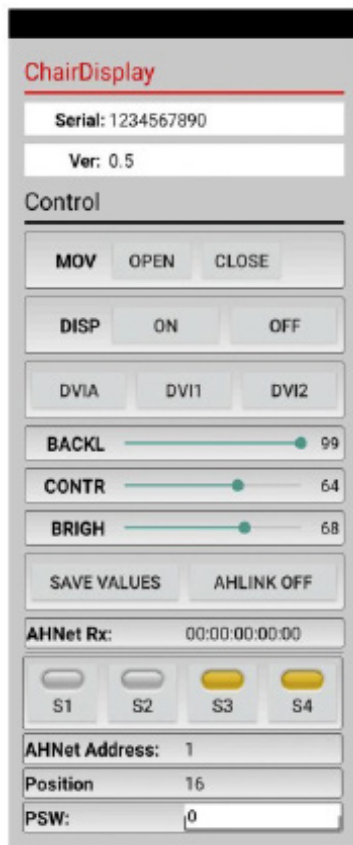
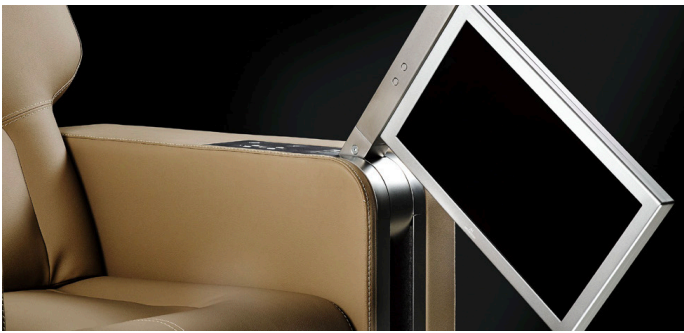


DynamicChairDisplay

HDCP compliant aluminum motorized monitor for armrest integration



Highlights

- Adapts to multiple armrests
- Motorized adjustable angle
- Panic functionality
- Interactive Setup Display (ISD)
- Maintenance free
- Energy saving design, low consumption video controller
- Serial control and remote diagnosis
- Compatible wireless connectivity for setup and control via AHLINK
- Auto Mechanical Movement Calibration (AH-AMMC)

General

Arthur Holm DynamicChairDisplay is a retractable motorized 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 aluminum screen possesses an automatic vertical extraction movement plus an additional manual rotation towards the user followed by a motorized tilt adjustment. The monitor housing is made of milled aluminium with anodized finish. Its mechanism is robust and silent and the whole solution is integrated in a compact block, being very simple to install.

The use of the Arthur Holm's ERT will enable the address configuration of all the units of the installation by simply pressing a button. The DynamicChairDisplay is compatible with AHlink Android and iOS app allows access to the setup, diagnose and control menus.

Technical Specifications

Display

Size	FULL HD 15.6" TFT Active Matrix, widescreen
Resolution	1920 (h) x 1080 (v)
Brightness	450 cd/m2
Contrast ratio	800:1
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	50,000 hrs
Response time	Tr + Tf 25 ms
Temperature (operating/storage)	Operating 0°C ~+40°C Storage -20°C ~+60°C

Materials

Monitor housing	Anodized Aluminum
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Connectivity

Input signal	DVI-I (1 input) /DVI-D (1 input) HDCP Compliant
RJ45 CAT6 (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
AHlink

Movement's 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	50W

Options

- Projected capacitive multi-touch screen
- Integrated USB power on the cover plate
- Synchronized mechanism for gooseneck microphones

Warranty

- 2 years general warranty

Certifications

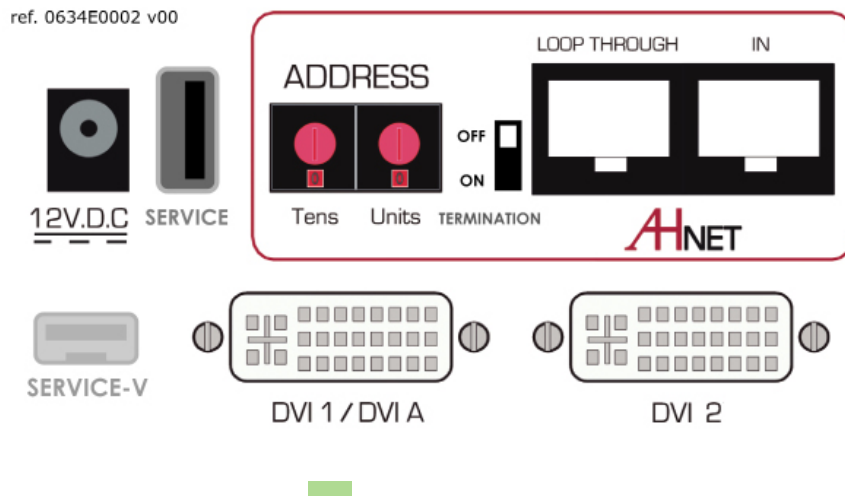
- CE
- FCC
- IECCE

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Connectivity Panel

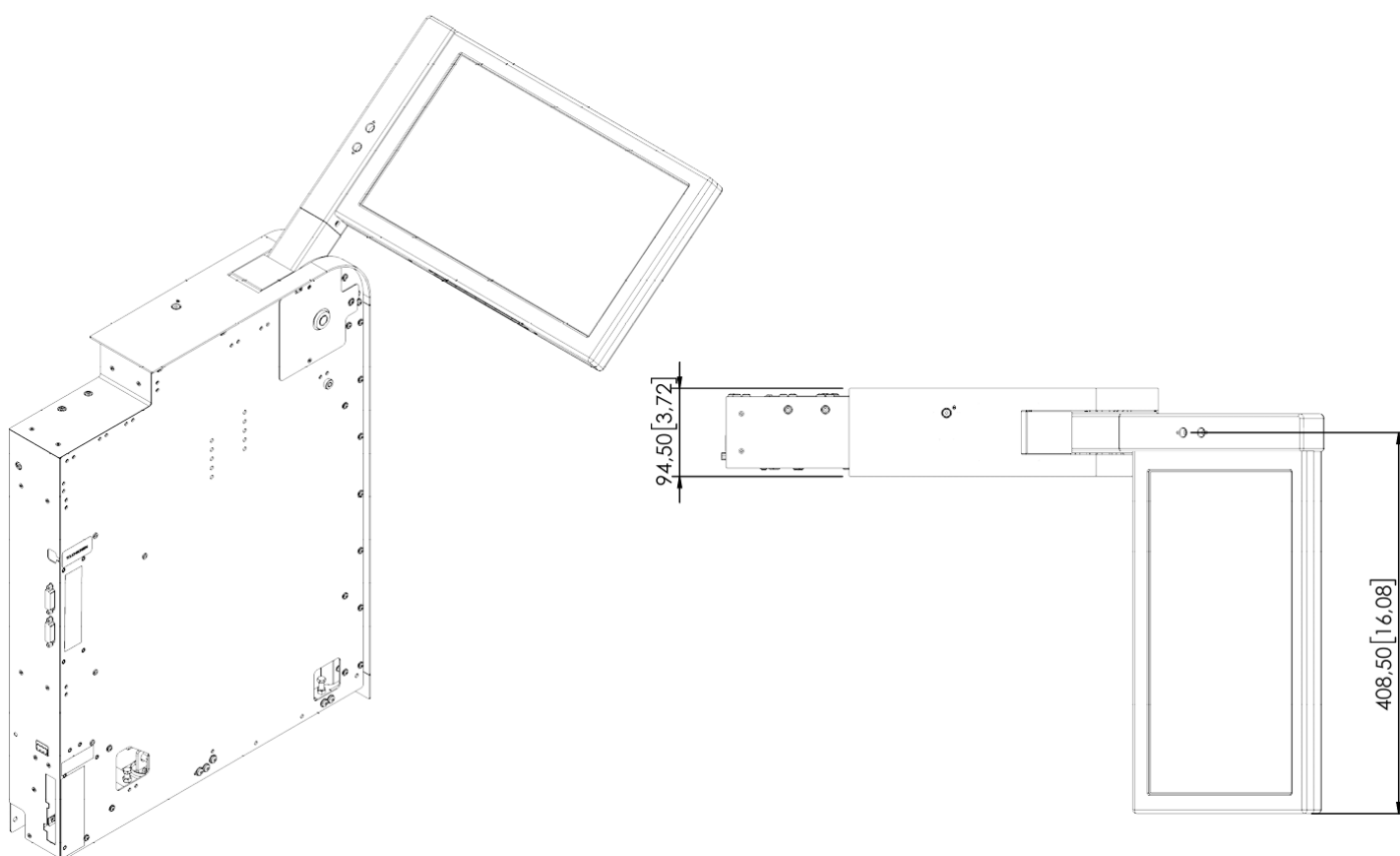
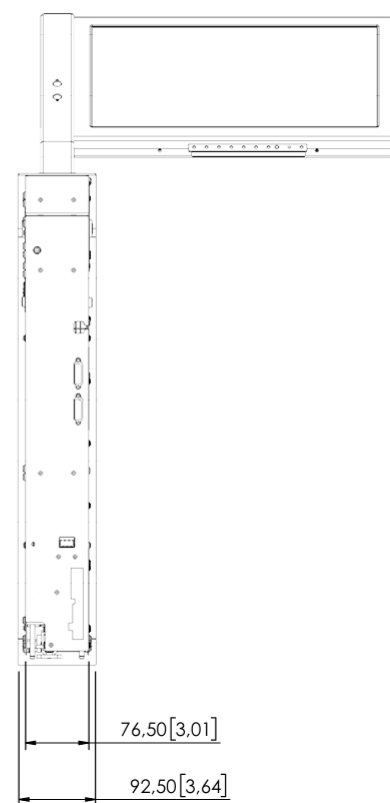
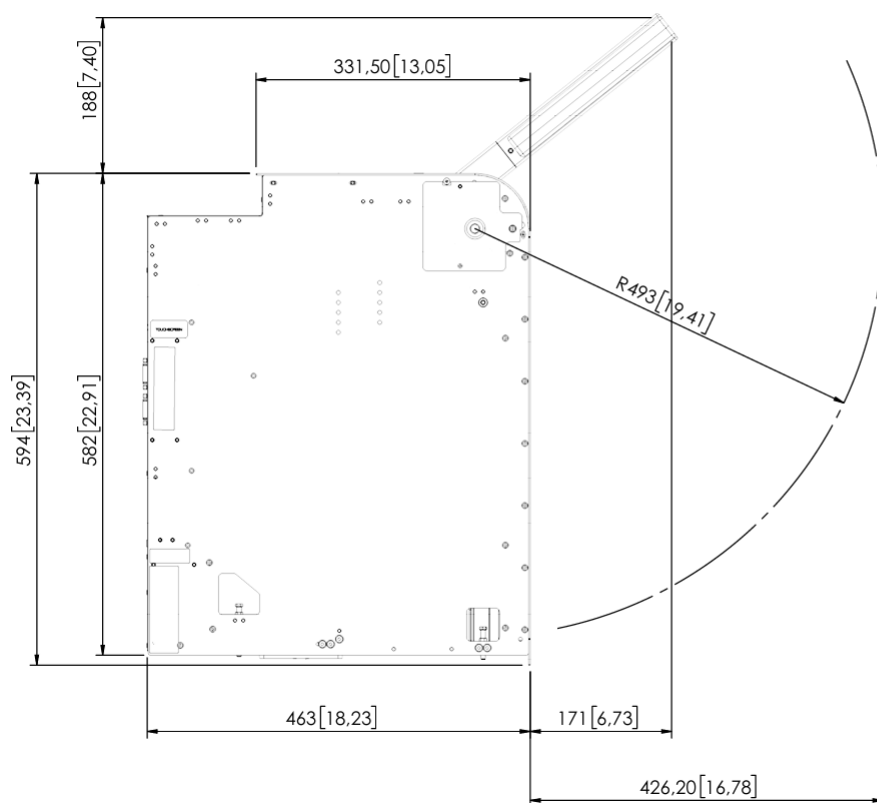


Consultants, architects and engineers specifications

The aluminum monitor shall provide a motorized 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 anodized aluminum and shall have a brightness of 450cd/m², a contrast ratio of 800:1 and a backlight lifespan of 50,000 hours. DynamicChairDisplay 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 provide 2 DVI HDCP inputs by a licensed HDCP monitor manufacturer. The monitor shall provide an addressable RS-422/RS-485 Full Duplex and an easy-to-read Interactive Setup Display (ISD) to access the safety parameters, the setup of the speeds and the control of the brightness, contrast and backlight. 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 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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