

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
- Auto Mechanical Movement Calibration (AH-AMMC)

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 side coating 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.

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

Technical Specifications

Display

Size	FULL HD 21.5" TFT Active Matrix, widescreen format. LED backlight
Resolution	1920 (h) x 1080 (v)
Brightness	500cd/m2
Contrast ratio	1000:1
Pixel	0.24795 (h) x 0.24795 (v) mm
Viewing angle	89°/ 89° (u/d) 89°/ 89° (l/r)
Viewing area	476.064 (h) x 267.786 (v) mm
Response time	Tr 12ms, Tf 10ms
Temperature	Operating 0° ~ +40°C Storage -20° ~ +60°C

Materials

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

Connectivity

Input signal	DVI-I (1 input) HDCP compliant DVI-D (1 input) HDCP compliant
RJ 45 CAT6 (with loop)	Addressable RS-422/RS485 Full Duplex monitor control by AHnet protocol
GPI (subD9)	Up/Down control (opto isolated)
USB	For service (firmware upgrades)

Control

RJ45, RS-422/RS-485 Full Duplex (I/O), AHnet protocol
AHlink
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) Capacitive touch sensor
Remote	RS-422/RS-485 Full Duplex (RJ45 CAT6)
AHlink	

Electrical

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

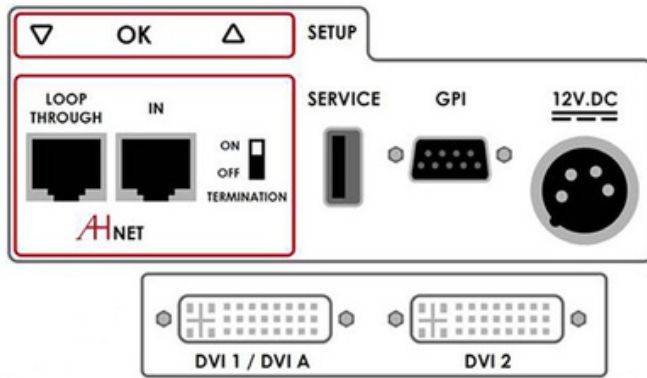
Accessories

ERT-30 / ERT-60	Ethernet interface unit
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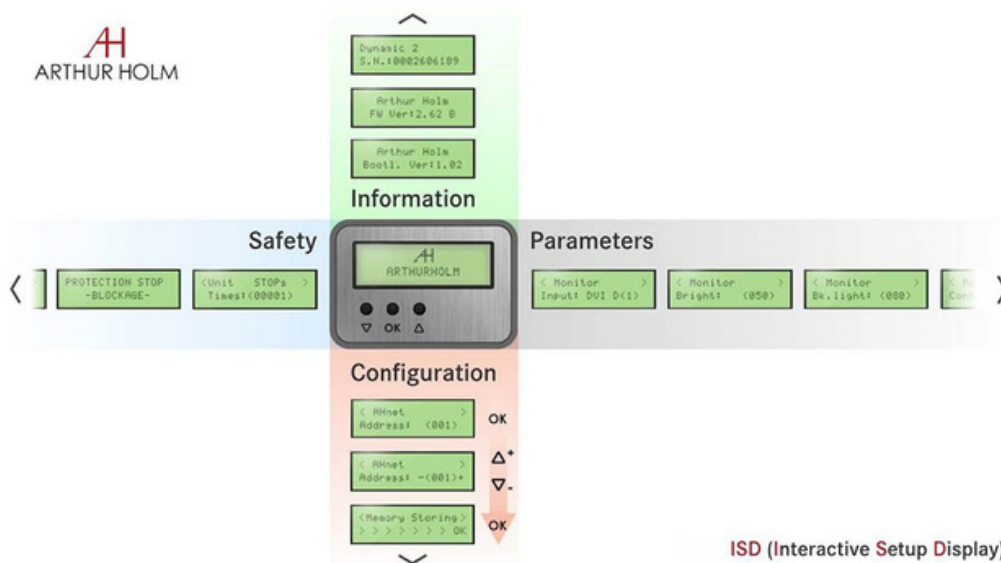
Mechanical Dimensions

Screen	518 x 40 x 342mm [20.39" x 1.57" x 13.45"]
Top frame	534 x 47mm [21.02" x 1.85"]
Housing below the table	602 x 145.50 x 601mm [23.70" x 5.73" x 23.66"]
Weight	20.5kg / 45.19lb

Connectivity panel



Interactive Setup Display (ISD)



ISD (Interactive Setup Display)

Consultants, architects and engineers specifications

Vertically motorized 21.5" 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 20mm and the screen shall be protected with an anti-reflecting 2 side coating 2mm glass.

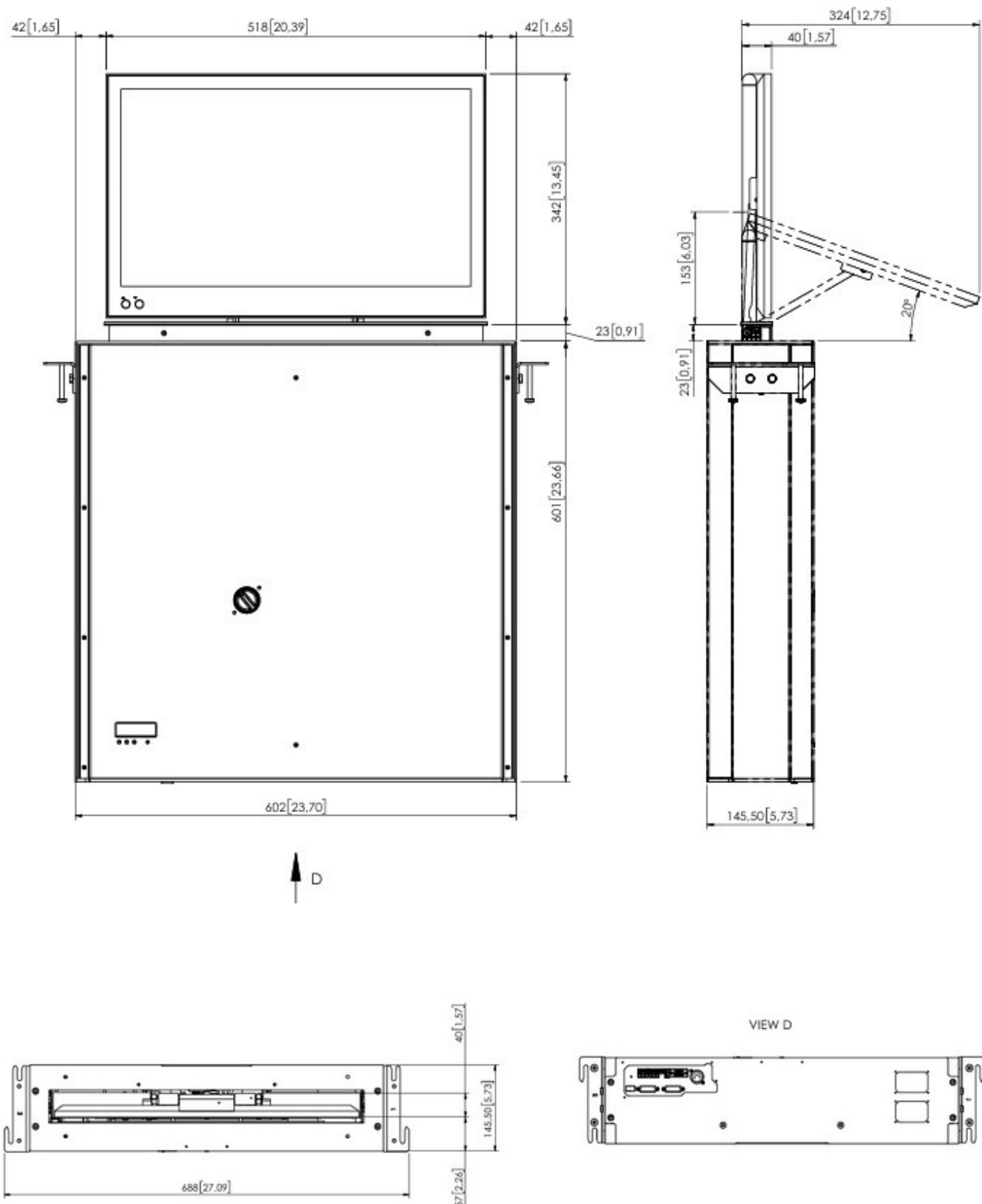
The automated hatch shall slide down inside the mechanism and shall close the table cut off flush on the table.

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 2 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 500 cd/m2, and a contrast ratio of 1000:1.

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



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