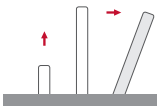
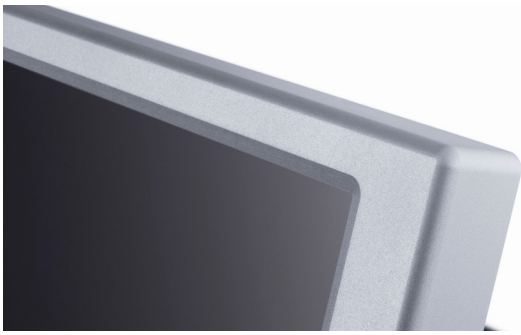
ARTHUR HOLM

AH12D216A

Dynamic2

HDCP compliant aluminium retractable motorised monitor





Features

- Vertical motorised monitor with up to 20° inclination
- Patented single engine mechanism for up/down and tilt movements
- Milled aluminium housing with a classic design
- Stainless steel customisable cover plate
- Interactive Setup Display (ISD)
- Maintenance free
- HDCP compliant
- 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 Dynamic2 is a motorised retractable product range that provides silent, reliable and harmonic movements by the use of a patented solution with one only engine. This automatic system is equipped with a variable speed system to raise, lower and tilt 20° to ensure the best ergonomics, viewing angle and visibility. We have selected the best possible aluminium finishing specifications in the world, providing the maximum technical and visual performance. Dynamic2 have square edges for a classic look. Dynamic2 are available from 12.1" to 21.5", with 2 DVI-HDCP compliant inputs and equipped with an Interactive Setup Display allowing the control, setup and diagnose of the monitors.

Monitors provide RS-422 I/O allowing the remote control of movements, speed, safety settings, brightness, contrast and backlight. The monitors are equipped with an Auto Mechanical Calibration Movement System. 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 AHlink Android and iOS app allows getting the monitor's serial number without removing the unit from the table and allows access to the setup and control menu.

Technical Specifications

AH12D216A

Display	
Size	FULL HD 12.1" TFT Active Matrix, widescreen format. LED backlight
Resolution	1280 (h) x 800 (v)
Brightness	400 cd/m2
Contrast ratio	1000:1
Pixel	0.204 (h) x 0.204 (v) mm
Viewing angle	88°/88° (u/d) / 88°/88° (l/r)
Viewing area	261.12 (h) x 163.2 (v) mm
LED backlight lifespan	50,000 hrs
Response time	Tr 15 ms, Tf 10 ms
Temperature (operating/storage)	Operating 0ºC ~+40ºC Storage -20ºC ~+60ºC
Materials	
Monitor housing	Anodised Aluminium
Cover plate	Stainless steel
Connectivity	
Input signal	DVI-I (1 input) – HDCP Compliant DVI-D (1 input) – HDCP Compliant
RJ45 CAT6 (with loop)	Addressable RS422 monitor control by AHnet protocol
GPI (SubD9)	Up/Down control
USB	For service

Control	
RJ45, RS-422 (I/O), AHNet protocol	
Addressing	
Termination switch	
GPI	
IR Remote control (monitor adjustments): 1/5	
Movement's Control	
User interface on monitor	(Up/Down) Buttons on cover plate
Remote	RS-422 I/O, GPI
Electrical	
External power supply	100-240 Vac, 47/63Hz, 12Vdc
Power consumption	40W
Accessories	
ERT	Ethernet Interface Unit
Mechanical	
Monitor Dimensions:	
Screen	315 x 192.44 x 25 mm [12.4" x 7.6" x 0.98"]
Upper cover plate	412 x 95 x 3 mm [16.22" x 3.74" x 0.12"]
Housing below the table	397 x 590 x 80 mm [15.63" x 23.23" x 3.15"]
Weight	15.8 Kg / 34,8 lbs
Shipping Dimensions:	
Weight	17 Kg / 37.4 lbs
Shipping Box	505 x 185 x 725mm [19,88" x 7.3" x 28.54"]

Options

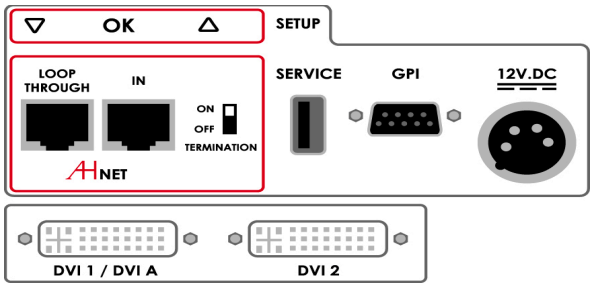
- Laser engraved logo
- UnderCover for veneer
- Underneath installation
- Matte cover plate
- Projected capacitive multi-touch screen
- Built-in camera
- DynamicTalkM
- Syncronised Microphones
- Connectors
- DynamicLoop
- DynamicShare
- Black anodised
- Gold finish
- Bronze finish
- Painted

Certifications

- CE
- FCC
- IECEE

Warranty

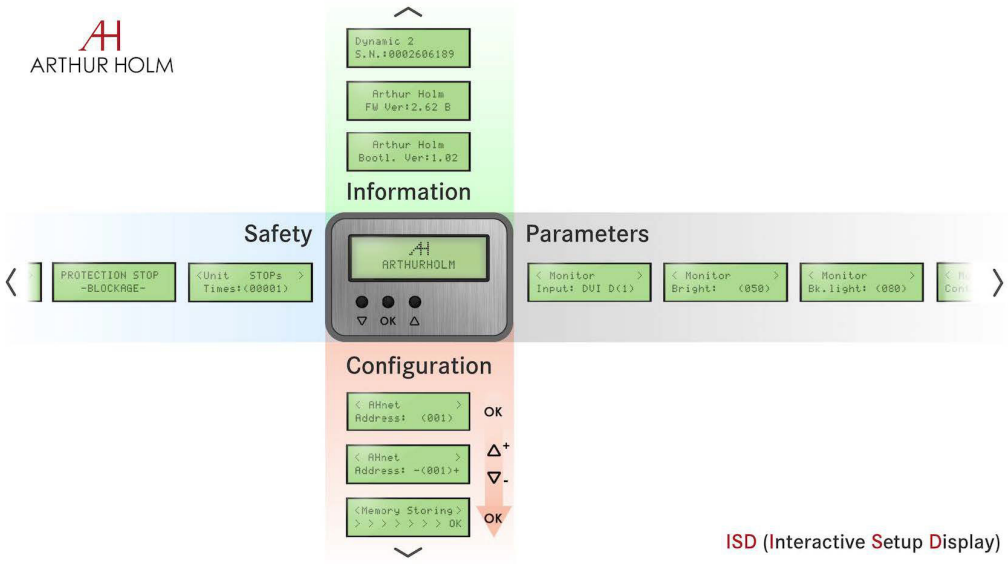
- 5 years limited warranty
- 2 years general warranty



CONNECTIVITY

1- AHnet control interface
2- USB for Service
3- GPI control
4- Power input
5- DVI 1 / DVI A video input
6- DVI 2 video input

INTERACTIVE SETUP DISPLAY (ISD)



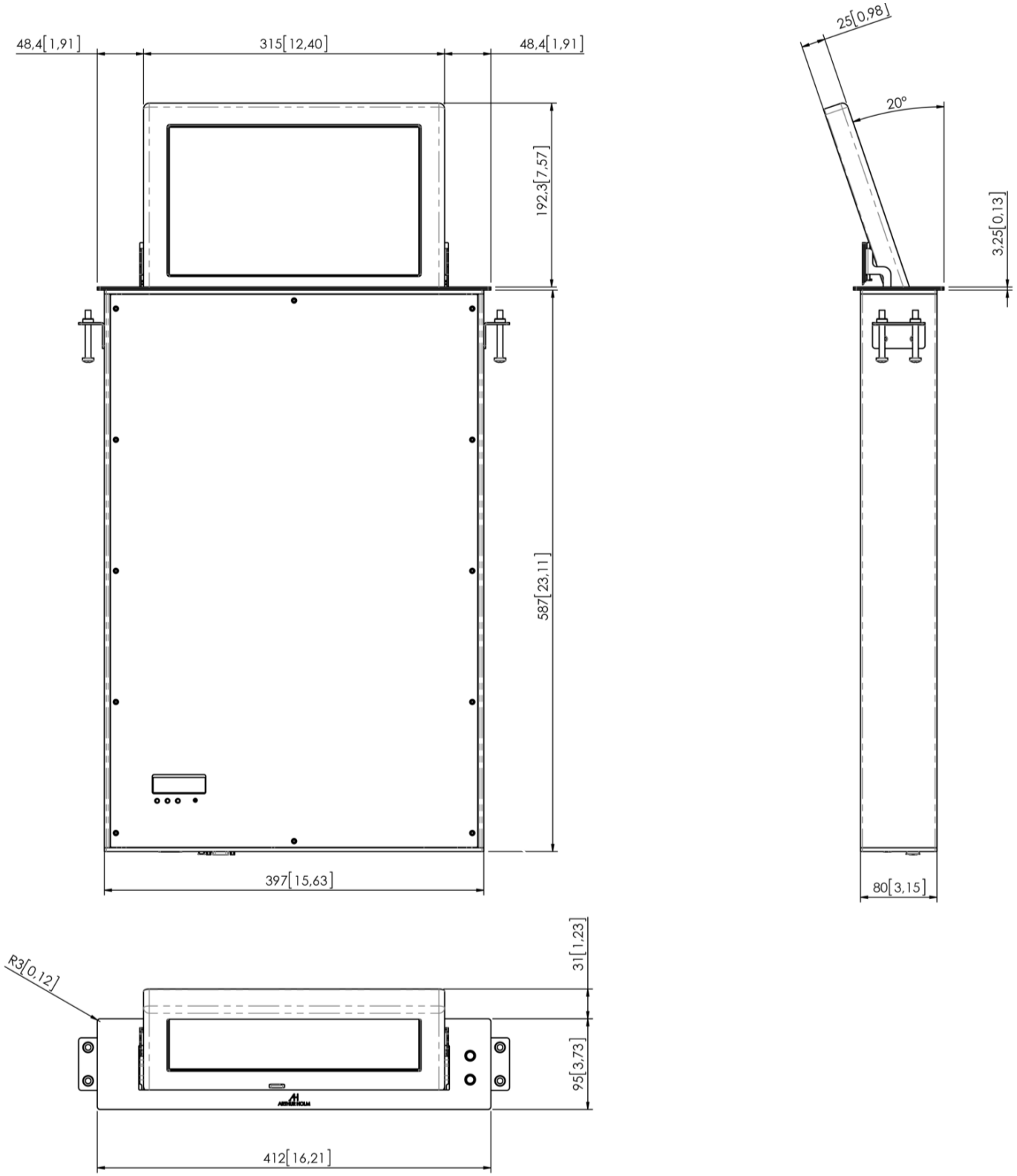
ISD (Interactive Setup Display)

CONSULTANTS, ARCHITECTS AND ENGINEERS SPECIFICATIONS

Vertically retractable motorised 12.1" Full HD professional monitor. The monitor housing shall be made of milled anodised aluminium. The monitor shall make the up/down and tilt movements with one only engine. The monitor cover plate shall provide a passive opening system and shall be made of 3 mm brushed stainless steel. The monitor shall have a brigthness of 400 cd/m2, a contrast ratio of 1000:1 and a backlight lifespan of 50,000 hours. The monitor shall provide 2 DVI HDCP inputs by a licensed HDCP monitor manufacturer.

The monitor shall provide an addressable RS-422 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, contract and backlight. The monitor shall be able to run an autoadjustment program to reset the factory setups. 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.

Arthur Holm is a registered brand of Albiral Display Solutions SL. Specifications subject to change without previous notice.



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