ARTHUR HOLM

DB2

HDCP compliant aluminum retractable motorized monitor

reddot design award
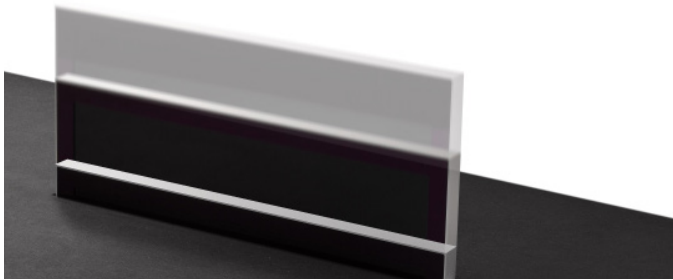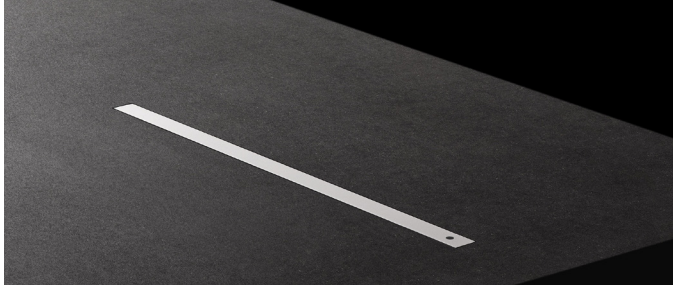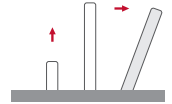
Dynamic DB2 (577FW202)

| Serial: 0000000000 |
| Ver: 1.37 |

Control

MOV	UP	DOWN
DISP	ON	OFF
DVIA	DVI1	DVI2

BACKL	●—————	99
CONTR	——●——	62
BRIGH	——●——	59

| SAVE VALUES | AHLINK OFF |

| Command: | FA:01:01:00:00 |

| ⬤ | ⬤ | ⬤ | ⬤ |
| S1 | S2 | S3 | S4 |

AHnet Address	1
Position	0
PASSWORD:	0

Highlights

- Vertical motorized monitor with 20° of inclination
- Adjustable tilt angle
- 20 mm. max of thickness
- No cover plate required
- Prepared for veneering
- Milled and anodized aluminum housing
- Front anti-reflective 2 sides coated 2 mm. black edged glass
- Energy saving design, low consumption video controller
- 2x DisplayPort, 2x HDMI – HDCP compliant
- RS422/RS485 I/O
- ISD: Interactive Setup Display for adjustments and service
- AHlink: Wireless connectivity for setup, adjustments, and control
- AH-AMMC: Auto mechanical Movement Calibration

AHlink : the App for setup, control and diagnose

Download on the App Store

GET IT ON Google Play

Technology serving Design

General

Professional 23,8" motorized retractable monitor that creates a minim impact on the furniture's design. It requires a minimum opening on the table, it is easy to integrate, intuitive to use (one operation sensor located on the top of the monitor and one touch button on the front glass), and almost invisible when in retracted position (no cover plate, neatly streamlined into the desk). With a maximum thickness of 20 mm., this monitor is elegant, beautiful from all angles and can also be veneered with the table's finish material.

The retractable monitor provides 2x DisplayPort / 2x HDMI - HDCP compliant inputs and is equipped with an Interactive Setup Display allowing its setup, control and diagnose.

The monitor provides RS422/RS485 (I/O), allowing the remote control of the input selection, movements, speeds, safety settings and brightness, contrast, and backlight adjustments.

The monitor can also be adjusted and controlled via a wireless application. AHlink. The AHlink Android and iOS App allows the access to the setup and control menu and to get the serial number and firmware version without removing the monitor from the table.

The Auto Mechanical Movement Calibration will automatically adjust the speed and safety protection parameters.

The use of the ERT-30 and ERT-60 enables an automatic individual address configuration of all the monitors in a table.

Technical Specifications

Display

Size	FULL HD 23.8" TFT Active Matrix, widescreen format. LED backlight
Resolution	3840 (h) x 2160 (v)
Brightness	250 cd/m2
Contrast ratio	1000:1
Pixel	0.13725 (h) x 0.13725 (v) mm
Viewing angle	178°(v) 178°(h)
Viewing area	527.04 (h) x 296.46 (v) mm
LED backlight lifespan	30,000 hrs
Response time	Tg-g 14ms
Temperature (operating/storage)	Operating 0ºC ∽+40ºC Storage -20ºC ∽+60ºC

Materials

Monitor housing	Solid mechanized aluminum housing with anodized finish. Front black serigraphed glass

Connectivity

Input signal	2x DisplayPort 2x HDMI - HDCP compliant
RJ45 CAT6 (I/O)	Addressable RS-422/RS-485 control by AHnet protocol
GPI (SubD9)	Up/Down control (opto isolated)
USB	For service (firmware upgrades)

Control

RJ45, RS-422/RS-485 (I/O), AHnet protocol	
AHlink	
Addressing	
Termination switch	
GPI	
IR Remote control (monitor adjustments)	

Movement's Control

User interface on monitor	(Up/Down) Capacitive touch sensor
Remote	RS-422/RS-485 (I/O), GPI
AHlink	

Electrical

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

Accessories

ERT-30 / ERT-60	Ethernet Interface Unit

Mechanical

Monitor Dimensions:	
Screen	559.20 x 334.50 x 20 mm [22" x 13.16" x 0.79"]
Top frame	559.20 x 20 mm [22" x 0.79"]
Housing below the table	638 x 657 x 82 mm [25.13" x 25.86" x 3.23"]
Weight	25 Kg / 55.12 Lbs
Shipping Dimensions:	
Weight	26 Kg / 57.32 Lbs
Shipping Box	735 x 175 x 745 mm [28.9" x 6.8" x 29.3"]

Options and acessories

- 2x DisplayPort / 2x HDMI – HDCP
- DynamicLoop
- DynamicShare
- Projected capacitive multi-touch screen
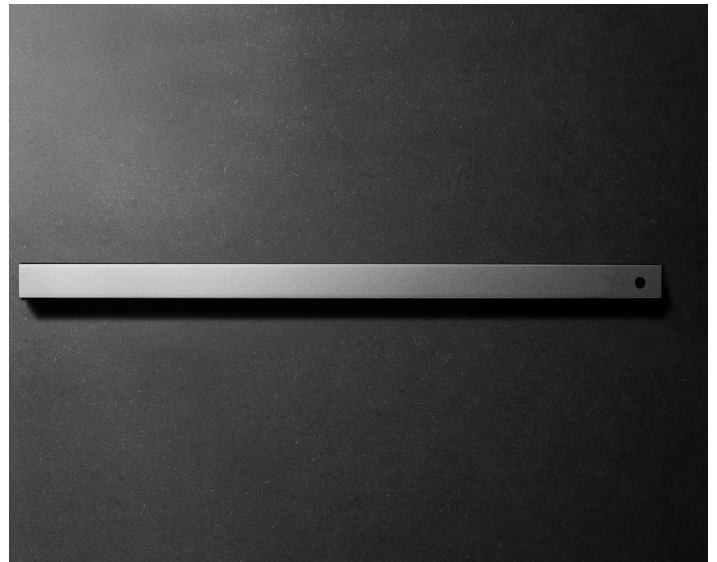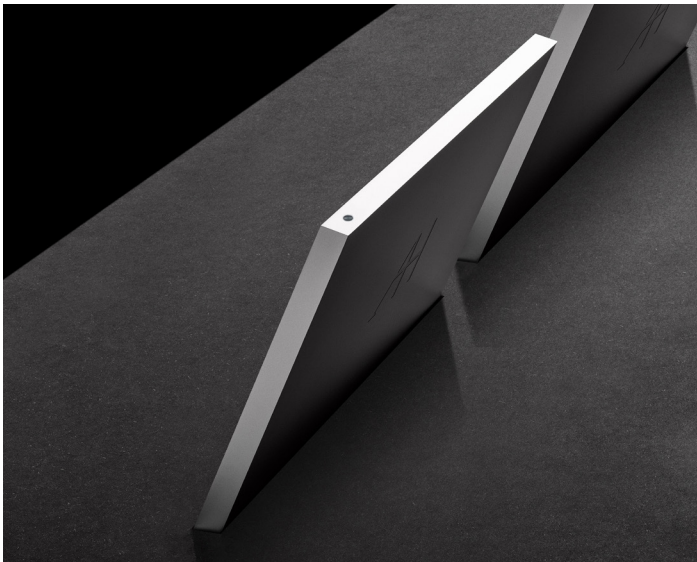
Finishes

- Tabletop frame
- UnderCover
- Black anodized
- Gold
- Bronze
- Painted

Certifications

- CE
- FCC
- IECEE
- CB
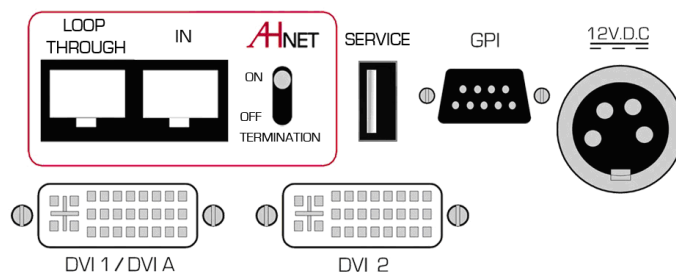- RoHs
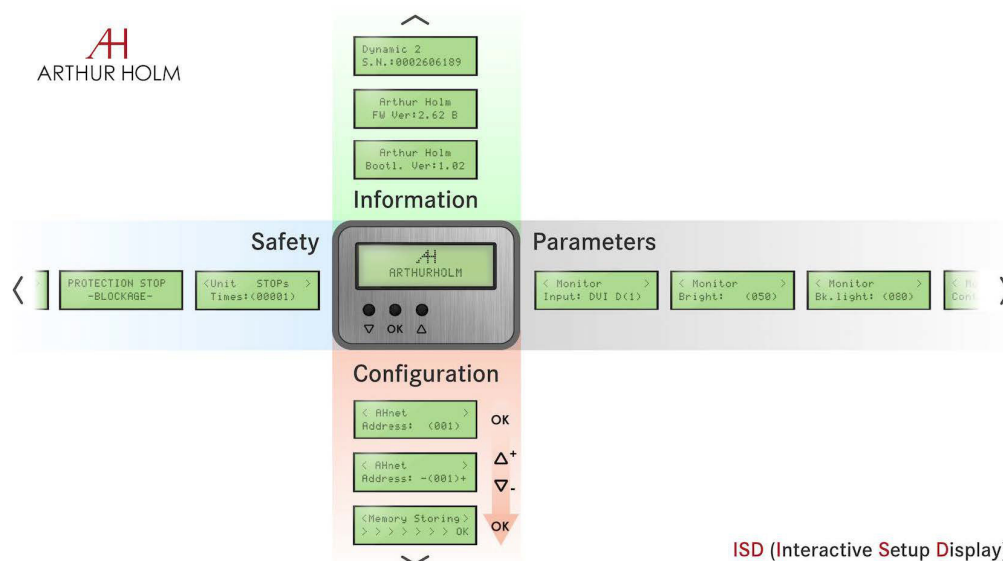- BIS

Warranty

- 5 years for the mechanical parts

Interactive Setup Display (ISD)
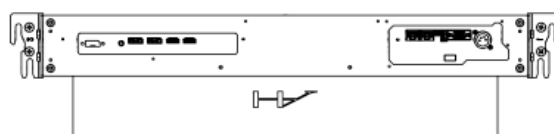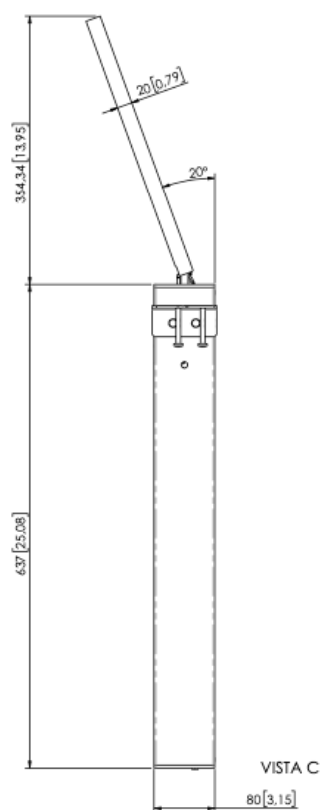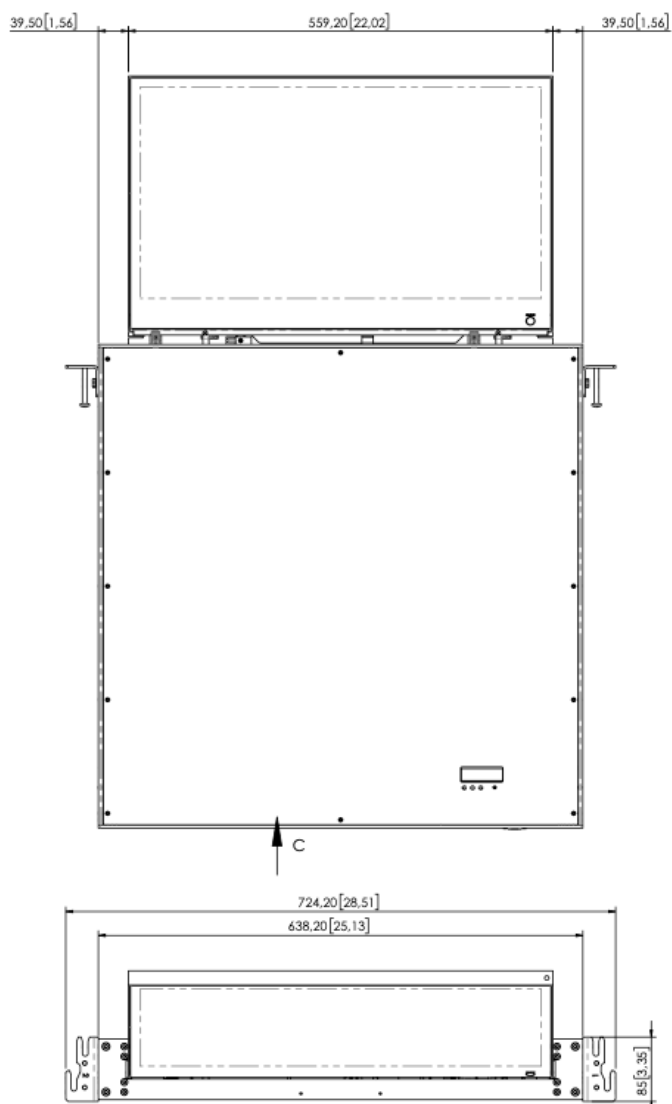

ISD (Interactive Setup Display)

Consultants, architects and engineers specifications

Vertically retractable motorized 23.8" 4K resolution, professional monitor. The monitor housing shall be made of milled anodized aluminum with a maximum thickness of 20 mm and the screen shall be protected with an anti-reflecting 2 side coating black edged 2 mm glass. The monitor shall allow its installation into furniture opening with a maximum width of 24 mm and shall be designed to be veneered to match the furniture's surface.

The monitor housing shall be flush with the table when the monitor is in recessed position. A capacitive button that shall be placed at the top of the monitor shall activate the monitor's movements. The monitor shall have a brightness of 250 cd/m2, a contrast ratio of 1000:1 and a backlight lifespan of 30,000 hours.

The monitor shall provide 2 DisplayPort, 2 HDMI inputs.
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 speed and the control of the brightness, contrast and backlight. The monitor shall be able to run an auto adjustment 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.

Technology serving Design

AH24DB2