ARTHUR HOLM

DynamicX2

HDCP compliant aluminum retractable motorized monitor

reddot design award

Arthur Holm
connected to AH_6789

D2 (577FW202_3)

Serial: 0000120536	
Ver: 2.23	
Cover: 0.4	

Control

MOV	UP	DOWN
DISP	ON	OFF
DVIA	DVI1	DVI2

BACKL		80
CONTR		50
BRIGH		50

SAVE VALUES

S1	S2	S3	S4	S5

AHlink : the App for setup, control and diagnose

Download on the App Store

GET IT ON Google Play

Highlights

- Vertical motorized monitor with 20° of inclination
- Patented single engine mechanism for Up/Down and tilt movements
- Milled aluminum housing
- Front anti-reflective 2 sides coated 3 mm black edged glass
- Stainless steel cover plate
- Energy saving design, low consumption video controller
- 2/DVI inputs, 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

Technology serving Design

General

Professional 15.6" motorized retractable monitor that provides silent, reliable, and harmonic movements by a patented solution with only one engine. This automated monitor is equipped with a variable speed system to raise, lower and tilt 20° to ensure the best ergonomics, viewing angle and visibility. The monitor is built in a mechanized solid aluminum block with anodize finish and the cover plate is made of brushed stainless steel. The screen is protected with a double side anti-reflective 3 mm. glass.

The retractable monitor provides 2/DVI-HDCP compliant inputs and is equipped with an Interactive 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 automatically adjust the speeds and the safety protection parameters. The use of the ERT-30 and ERT-60 enables an automatic individual address configuration of all the monitors in a meeting table.

Technical Specifications

Display

Size	FULL HD 15.6" TFT Active Matrix, widescreen format. LED backlight
Resolution	1920 (h) x 1080 (v)
Brightness	450 cd/m2
Contrast ratio	800:1
Pixel	0.1792 (h) x 0.1792 (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 = 25ms
Temperature (operating/storage)	Operating 0ºC ∽+40ºC Storage -20ºC ∽+60ºC

Materials

Monitor housing	Anodized Aluminum
Glass	AR 2-side with an anti-reflective coating on the glass surface. Thickness: 3.0 ± 0.3 mm
Cover plate	Stainless steel

Connectivity

Input signal	DVI-I (1 input) – HDCP Compliant - Digital / Analog DVI-D (1 input) – HDCP Compliant - Digital
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) Buttons on cover plate
Remote	RS-422/RS-485 (I/O), GPI
AHlink	

Electrical

External power supply	100–240 Vac, 47/63Hz, 12Vdc
Power consumption	40W

Accessories

ERT-30 / ERT-60	Ethernet Interface Unit

Mechanical

Monitor Dimensions:	
Screen	403 x 234.16 x 25 mm [15.87" x 9.22" x 0.98"]
Upper cover plate	500 x 95 x 3 mm [19.68" x 3.73" x 0.12"]
Housing below the table	485 x 590 x 80 mm [19.09" x 23.23" x 3.15"]
Weight	19 Kg / 39.4 Lbs
Shipping Dimensions:	
Weight	18.9 Kg / 41.6 Lbs

Technology serving Design

Options and acessories

- 2/ HDMI INPUTS.
- DynamicLoop
- DynamicShare
- Built-in USB or HD-SDI camera (adjustable via AHlink)

- DynamicTalk
- Synchronized microphone
- Projected capacitive multi-touch screen
- Connectors on the cover plate

Finishes

- Laser engraved logo
- UnderCover for veneer
- Matte cover plate
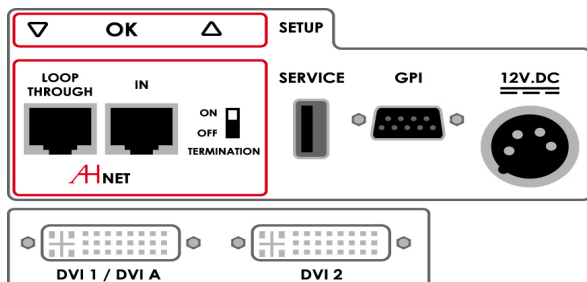- Underneath installation
- Black anodized
- Gold
- Bronze
- Painted

Certifications

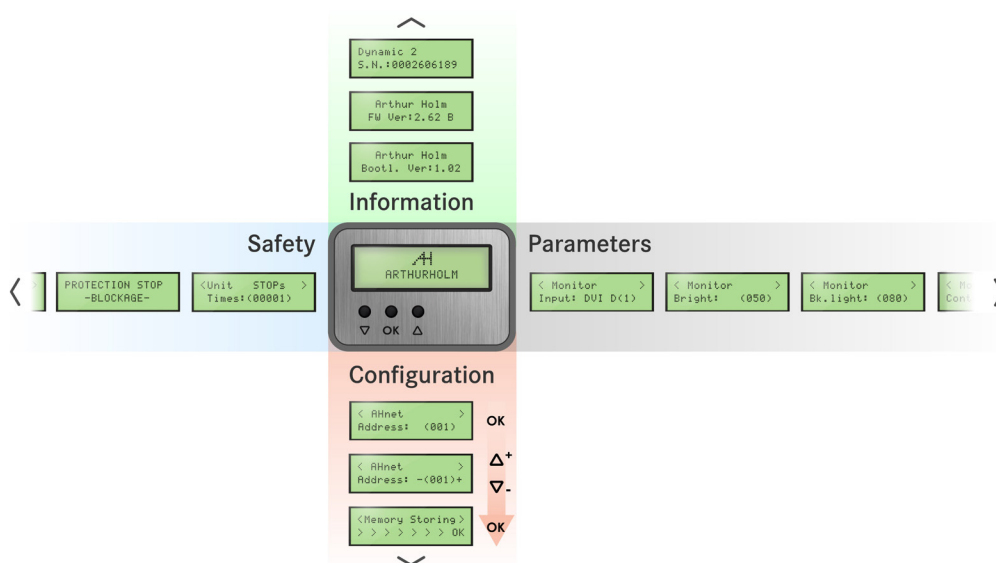- CE
- FCC
- IECEE
- CB
- RoHs
- BIS

Warranty

- 5 years for the mechanical parts

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)

Consultants, architects and engineers specifications

Vertically retractable motorized 15.6" Full HD professional monitor. The monitor housing shall be made of milled anodized aluminum and the screen shall be protected with anti-reflective 2 side coating black edged 3 mm glass. 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 brigth-ness of 450 cd/m2, a contrast ratio of 800:1 and a back-light lifespan of 50,000 hours. The monitor shall provide 2 DVI HDCP inputs by a licenzed HDCP monitor manufacturer.

The monitor shall provide an addressable RS-422/RS-485 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 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.

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AH15DX2HDGA

VIEW C

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