

Highlights

- Vertical motorized HDCP compliant double sided retractable solution
- No cover plate required (monitor completely streamlined within the furniture)
- Two operation sensors on top of the aluminum housing (to rise and lower the screens)
- 40mm thickness
- Front anti-reflective 2 sides coating 2mm black edged glass
- Prepared to be veneered
- Interactive Setup Display (ISD)
- Maintenance free
- Energy saving design, low consumption video controller
- Serial control and remote diagnosis
- Auto Mechanical Movement Calibration (AH-AMMC)
- Compatible wireless connectivity for setup and control via AHlink

General

The DB1Twin is a vertically retractable solution with two screens. Two monitors are placed back-to-back in a compact anodized aluminum frame. Different content can be displayed, allowing a 2-way communication in reception desks, information counters or in meeting and conference rooms tables with limited space. The DB1Twin is only visible when required, disappearing inside the table by just the touch of a button or by remote control. The DB1Twin has been designed to be veneered. It is completely built in solid anodized aluminum offering a minimal and contemporary look.

Aluminum is a durable surface; it is extremely resistant and it also serves to dissipate heat. The anodized finish provides a soft, silky effect. The front anti-reflection double glass protects the screen, reduces the mirror effect, increases contrast and allows natural transparent colors.

The monitors are equipped with Auto Mechanical Movement Calibration (AH-AMMC). 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 monitor is compatible with AHlink Android and iOS app allows access to the setup, diagnose and control menus.

Technical Specifications

Display x 2

Size	Full HD 21.5" TFT Active Matrix, widescreen format. LED Backlight
Resolution	1920 (h) x 1080 (v)
Brightness	500 cd/m2
Contrast ratio	1000:1
Pixel	0.24975 (h) x 0.24975 (v) mm
Viewing angle	89°/89° (u/d) 89°/89° (l/r)
Viewing area	476.064 (h) x 267.786 (v) mm
Response time	Tg-g 14ms
Temperature (operating/storage)	Operating 0°C ~ +40°C Storage -20°C ~ +60°C

Materials

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

Connectivity

Input signal x2	DVI-I (1 input per monitor) DVI-D (1 input per monitor) HDCP Compliant
RJ45 CAT6 (with loop)	Addressable RS-422/RS-485 Full Duplex monitor control by AHnet protocol
GPI (SubD9) USB	Up/Down control For service

Control

RJ45, RS-422/RS-485 Full Duplex (I/O)
Addressing
Termination switch
GPI
IR Remote control (monitor adjustments): 1 / 5
AHlink

Movements Control

User interface on monitor	(Up/Down)
Remote	RS-422/RS-485 Full Duplex I/O/ GPI

Electrical

External power supply	100-240 Vac, 47/63Hz, 12Vdc
Power consumption	80W

Mechanical

Top frame	518 x 40 mm [20.39" x 1.57"]
Housing below the table	621 x 587 x 98 mm [23.90" x 24.45" x 3.15"]
Weight	24 Kg / 52.91 Lbs

Warranty

- 2 years general warranty

Certifications

- CE
- IECCE

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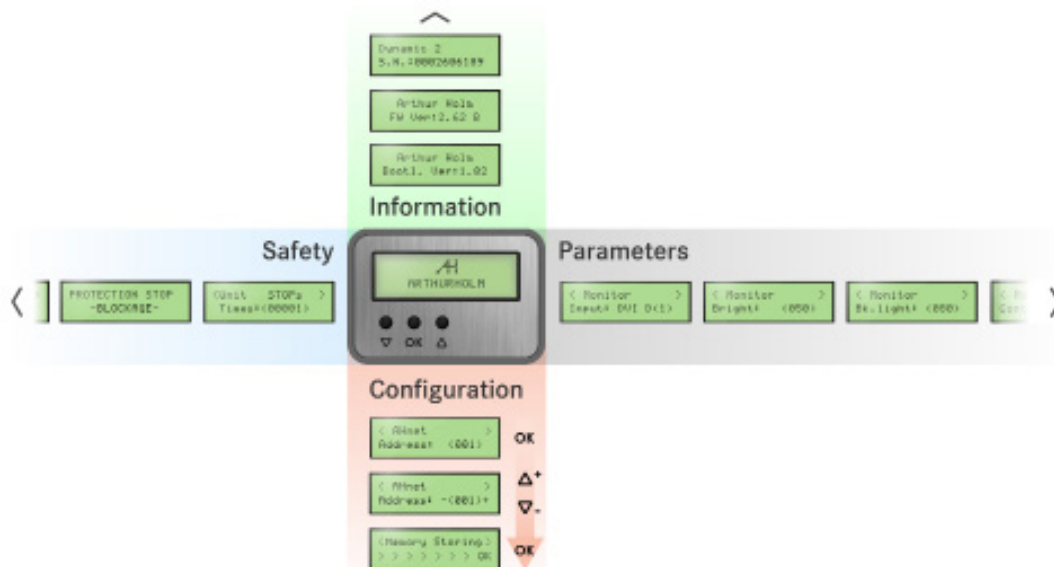
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Connectivity panel

- | | |
|--|--|
| 1- Power input | 5- AHnet control interface |
| 2- GPI control | 6- DVI-D video input - digital (Screen 2) |
| 3- DVI-D video input - digital (Screen 1) | 7- DVI-I video input - analog/digital (Screen 2) |
| 4- DVI-I video input - analog/digital (Screen 1) | |

Interactive Setup Display (ISD)



Consultants, architects and engineers specifications

Vertically retractable motorized 21.5" Full HD professional solution with two monitors placed back-to-back in a compact anodized aluminum frame. The monitor housing shall be made of milled anodized aluminum with a thickness of 40 mm and the screens shall be protected with an anti-reflecting 2 sides coating black edged 2 mm glass. The monitor housing shall be flush with the table when the monitor is in recessed position. Two capacitive buttons that shall be placed at the top of the monitor shall activate the monitor's movements. The monitors shall have a brightness of 500 cd/m2 and a contrast ratio of 1000:1. The monitors shall provide 2 DVI HDCP inputs by a licensed HDCP monitor manufacturer.

The monitors 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 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 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 compatible with the AHlink wireless Android and iOS App for the setup, diagnosis and control.

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