



# ARTHUR HOLM

## TENDER SPECIFICATIONS FOR ARCHITECTS, CONSULTANTS AND ENGINEERS



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MU 1996 ES00

MU 16997 ES00

MU 17180 ES00

MU 17301 ES00

MU 17322 ES00

MU 17376 ES00

MU 1741 ES00

MU 17445 ES00

P 248121 DEEP

P 24821 ESEP

P 24821 FREP

P 24821 GBEP

P 24821 ITEP

P 24821 RUPC

P 24821 USPC

P 27178 EPPC

P 27178 RUPC

P 27178 USPC

P 2784 EPPC

P 2784 RUPC

P 2784 USPC

P 27715 EPPC

P 28089 EP00

P 28089 PCEP

P 28090 EP00

P 28090PCEP

P 28495 ES00

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## SUMMARY

1.	<b>DB2</b> .....	5
1.1.	10".....	6
1.2.	17".....	7
1.3.	22".....	8
1.4.	24".....	9
2.	<b>DB2Share</b> .....	10
2.1.	17".....	11
2.2.	22".....	12
3.	<b>DynamicX2</b> .....	13
3.1.	15".....	14
3.2.	17".....	15
3.3.	19".....	16
3.4.	22".....	17
3.5.	24".....	18
4.	<b>DynamicX2 BarConnect</b> .....	19
4.1.	15".....	20
4.2.	17".....	22
4.3.	19".....	24
4.4.	22".....	26
5.	<b>DynamicX2 KM</b> .....	28
5.1.	22".....	29
6.	<b>Dynamic2</b> .....	30
6.1.	12".....	31
6.2.	15".....	32
6.3.	17".....	33
6.4.	19".....	34
6.5.	22".....	35
7.	<b>Dynamic3</b> .....	36
7.1.	15".....	37
7.2.	17".....	38
7.3.	19".....	39
7.4.	22".....	40
8.	<b>Dynamic3R</b> .....	41
8.1.	15".....	42
8.2.	17".....	43
8.3.	19".....	44
8.4.	22".....	45
9.	<b>Dynamic3Reverse</b> .....	46
9.1.	18".....	47
10.	<b>Dynamic1H</b> .....	48
10.1.	12".....	49
10.2.	17".....	50
10.3.	22".....	51
11.	<b>Dynamic1Twin</b> .....	52
11.1.	17".....	53
11.2.	19".....	54
11.3.	22".....	55
12.	<b>DynamicTalk</b> .....	56
12.1.	S.....	57
12.2.	M.....	58
12.3.	L.....	59

13.	<b>DynamicTalkH</b> .....	60
14.	<b>DynamicTalkB</b> .....	62
15.	<b>MicConnect</b> .....	63
16.	<b>DynamicChairDisplay</b> .....	64
17.	<b>DynamicShare</b> .....	66

## 1. DB2



Retractable monitor with 20mm maximum thickness and no tabletop cover plate. Monitor housing made of anodised aluminium. Front double sided anti reflective black edged 2mm glass. The monitor provides a capacitive sensor at the top of the monitor to rise and lower the screens, as well as capacitive touch buttons on the monitor front glass. 20 degrees of inclination that can be set by pushing the capacitive touch button placed on the monitor. Addressable RS-422 monitor control by AHnet open protocol allowing individual remote control, set up and diagnostic of up to 30 units per line. GPI (contact close to control movements). DVI-I and DVI-D video inputs. HDCP licensed monitor manufacturer. Low voltage. ISD 2.2" LCD Easy to read Interactive Setup Display to configure and diagnose the unit. Auto RS-422 addressing system that facilitates the address configuration by just pressing one button in an easy and convenient way. USB port for local firmware upgrade. Safety system that detects obstructions (causing unit to stop). Adjustable mechanical parameters through AHnet or ISD for calibration and adjustment of mechanics. Auto calibration mode for mechanical speeds and safety parameters. Adjustable parameters of brightness, contrast and backlight through RS-422 (AHnet protocol). External power supply with 4-Pin XLR4 connector.

### Main Features:

- 20° of adjustable inclination by capacitive touch button placed on top of the monitor
- 20 mm. max. monitor housing depth
- On screen touch capacitive buttons
- DVI-I and DVI-D video inputs
- No cover plate required
- Individual monitor addressing
- Interactive Setup Display
- HDCP licensed monitor manufacturer
- Maintenance free
- Energy saving design
- Safety system
- Serial control and remote diagnostics by AHnet
- AH-AMMC Auto Mechanical Movement Calibration

\*Note: please check connectivity for 24" model (AH24DB24K)

## 1.1. DB2 10"

AH10DB2	
<b>Display</b>	
Size	Full HD 10" TFT Active Matrix, widescreen. LED Backlight
Resolution	1920 (h) x 1080 (v)
Brightness	300 cd/m2
Contrast ratio	1000:1
Pixel	0.11475 (h) x 0.11475 (v) mm
Viewing angle	60°/80° (u/d) 80°/ 80° (l/r)
Viewing area	220.32 (h) x 123.93 (v) mm
LED backlight lifespan	40,000 hrs
Response time	Tr+Tf 26 ms
Temperature (operating/storage)	Operating 0°C - +40°C Storage -20°C - +60°C
<b>Materials</b>	
Cabinet	Solid mechanised aluminium housing with anodised finish. Front black serigraphed glass.
<b>Connectivity</b>	
Input signal	DVI-I (1 input) – DVI-D (1 input) – HDCP compliant
RJ45 CAT6 (with loop)	Addressable RS422 monitor control by AHnet protocol
GPI (SubD9)	Up/down control
<b>Engine</b>	
Control Up/Down	Sensors on the monitor frame, GPI, RS422
Electronic control	PWM
<b>Control</b>	
Monitor Control	RS422 (RJ45 CAT6)
<b>Electrical</b>	
External power supply	100-240 Vac, 47/63Hz, 12Vdc
Power consumption	35W
<b>Accessories</b>	
ERT	Ethernet interface unit
AH mcs	Monitor Control Software
<b>Mechanical</b>	
Monitor Dimensions:	
Screen	255 x 178.76 x 17 mm [10" x 7" x 0.67"]
Top frame	255 x 17 mm [10.04" x 0.67"]
Housing below the table	347 x 607 x 80 mm [13.66" x 23.90" x 3.15"]
Weight	12 Kg / 26.45
<b>Shipping Dimensions:</b>	
Weight	13 Kg / 28.65
Shipping Box	625 x 175 x 715 mm

## 1.2. DB2 17"

AH17DB2	
<b>Display</b>	
Size	Full HD 17.3" TFT Active Matrix, widescreen. LED Backlight
Resolution	1920 (h) x 1080 (v)
Brightness	400 cd/m2
Contrast ratio	600:1
Pixel	0.1989 (h) x 0.1989 (v) mm
Viewing angle	60°/80° (u/d) 80°/ 80° (l/r)
Viewing area	381.888 (h) x 214.812 (v) mm
LED backlight lifespan	50,000 hrs
Response time	Tr 37 ms, Tf 3 ms
Temperature (operating/storage)	Operating 0°C - +40°C Storage -20°C - +60°C
<b>Materials</b>	
Cabinet	Solid mechanised aluminium housing with anodised finish. Front black serigraphed glass.
<b>Connectivity</b>	
Input signal	DVI-I (1 input) – DVI-D (1 input) – HDCP compliant
RJ45 CAT6 (with loop)	Addressable RS422 monitor control by AHnet protocol
GPI (SubD9)	Up/down control
<b>Engine</b>	
Control Up/Down	Sensors on the monitor frame, GPI, RS422
Electronic control	PWM
<b>Control</b>	
Monitor Control	RS422 (RJ45 CAT6)
<b>Electrical</b>	
External power supply	100-240 Vac, 47/63Hz, 12Vdc
Power consumption	50W
<b>Accessories</b>	
ERT	Ethernet interface unit
AH mcs	Monitor Control Software
<b>Mechanical</b>	
Monitor Dimensions:	
Screen	424 x 241 x 20 mm [16.69" x 9.49" x 0.79"]
Top frame	472 x 20 mm [18.58" x 0.79"]
Housing below the table	525 x 607 x 80 mm [20.67" x 23.90" x 3.15"]
Weight	16.5 Kg / 36.3 lbs
<b>Shipping Dimensions:</b>	
Weight	17.5 Kg / 38.5 lbs
Shipping Box	625 x 175 x 715 mm

### 1.3. DB2 22"

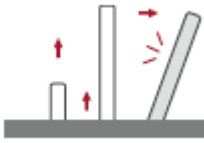
AH22DB2	
<b>Display</b>	
Size	Full HD 21.5" TFT Active Matrix, widescreen. LED Backlight
Resolution	1920 (h) x 1080 (v)
Brightness	250 cd/m2
Contrast ratio	1000:1
Pixel	0.24975 (h) x 0.24975 (v) mm
Viewing angle	178° (v) 178° (v)
Viewing area	476.064 (h) x 267.786 (v) mm
LED backlight lifespan	30,000 hrs
Response time	Tg-g 14ms
Temperature (operating/storage)	Operating 0°C - +40°C Storage -20°C - +60°C
<b>Materials</b>	
Cabinet	Solid mechanised aluminium housing with anodised finish. Front black serigraphed glass.
<b>Connectivity</b>	
Input signal	DVI-I (1 input) – DVI-D (1 input) – HDCP compliant
RJ45 CAT6 (with loop)	Addressable RS422 monitor control by AHnet protocol
GPI (SubD9)	Up/down control
<b>Engine</b>	
Control Up/Down	Sensors on the monitor frame. GPI. RS422
Electronic control	PWM
<b>Control</b>	
Monitor Control	RS422 (RJ45 CAT6)
<b>Electrical</b>	
External power supply	100-240 Vac, 47/63Hz, 12Vdc
Power consumption	70W
<b>Accessories</b>	
ERT	Ethernet interface unit
AH mcs	Monitor Control Software
<b>Mechanical</b>	
Monitor Dimensions:	
Screen	518 x 310.78 x 20 mm [20.39" x 12.23" x 0.79"]
Top frame	518 x 20 mm [21.32" x 0.79"]
Housing below the table	621 x 607 x 80 mm [24.45" x 23.90" x 3.15"]
Weight	18 Kg / 39.68 lbs
<b>Shipping Dimensions:</b>	
Weight	19 Kg / 41.88 lbs
Shipping Box	725 x 175 x 715 mm



## 1.4. DB2 24"

AH24DB24K	
<b>Display</b>	
Size	4K 23.8" TFT Active Matrix, widescreen. 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° (v)
Viewing area	527.04 (h) x 296.46 (v) mm
LED backlight lifespan	30,000 hrs
Response time	T <sub>g-g</sub> 14ms
Temperature (operating/storage)	Operating 0°C - +40°C Storage -20°C - +60°C
<b>Materials</b>	
Cabinet	Solid mechanised aluminium housing with anodised finish. Front black serigraphed glass.
<b>Connectivity</b>	
Input signal	VGA 2 x DisplayPort 2 x HDMI
RJ45 CAT6 (with loop)	Addressable RS422 monitor control by AHnet protocol
GPI (SubD9)	Up/down control
<b>Engine</b>	
Control Up/Down	Sensors on the monitor frame. GPI, RS422
Electronic control	PWM
<b>Control</b>	
Monitor Control	RS422 (RJ45 CAT6)
<b>Electrical</b>	
External power supply	100-240 Vac, 47/63Hz, 12Vdc
Power consumption	60W
<b>Accessories</b>	
ERT	Ethernet interface unit
AH mcs	Monitor Control Software
<b>Mechanical</b>	
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	638.20 x 657 x 82 mm [25.13" x 25.86" x 3.23"]
Weight	25 Kg / 55.12 lbs
<b>Shipping Dimensions</b>	
Weight	26 Kg / 57.32
Shipping Box	735 x 175 x 715 mm

## 2. DB2Share



Retractable monitor with 20mm maximum thickness and no table top cover plate. Monitor housing made of anodised aluminium. Front double sided anti reflective black edged 2mm glass. The monitor provides a capacitive sensor at the top of the monitor to raise and lower the screen, as well as capacitive lighting touch buttons on the monitor front glass (view and share). 20 degrees of inclination that can be set by pushing the capacitive touch button placed on the monitor. Addressable RS-422 monitor control by AHnet open protocol allowing individual remote control, set up and diagnostic of up to 30 units per line. GPI (contact close to control movements). 2 HDMI inputs, 1 HDMI Loop IN/Loop OUT. HDCP licensed monitor manufacturer. Low voltage. ISD 2.2" LCD Easy to read Interactive Setup Display to configure and diagnose the unit. Auto RS-422 addressing system that facilitates the address configuration by just pressing one button in an easy and convenient way. USB port for local firmware upgrade. Safety system that detects obstructions (causing unit to stop). Adjustable mechanical parameters through AHnet or ISD for calibration and adjustment of mechanics. Auto calibration mode for mechanical speeds and safety parameters. Adjustable parameters of brightness, contrast and backlight through RS-422 (AHnet protocol). External power supply with 4-Pin XLR4 connector. DynamicShare allows the HDMI signal to be shared on up to 20 monitors in Full HD resolution. Control protocols for the monitors movements are also embedded into the HDMI signal. User can view and share a video signal through touch buttons placed on the screen. Automated retractable HDMI cable aligned with the monitor.

### Main Features:

- DynamicShare integrated: allows the HDMI signal to be shared on up to 20 monitors in Full HD resolution. Control protocols for the monitors movements are also embedded into the HDMI signal. User can view and share a video signal through touch buttons placed on the screen
- 1 Motorised HDMI retractable cable integrated in an automated housing activated through a capacitive touch button
- 1 HDMI input at the bottom of the monitor
- 1 HDMI Loop IN/Loop OUT at the bottom of the monitor
- No cover plate required
- On screen lighting touch buttons to control the Share system
- 20 mm max. thickness
- Adjustable tilt angle
- Interactive Setup Display
- HDCP licensed monitor manufacturer
- Maintenance free
- Energy saving design
- Safety system
- Serial control and remote diagnostics by AHnet
- AH-AMMC Auto Mechanical Movement Calibration

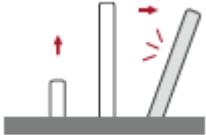
## 2.1. DB2Share 17"

AH17DB2Share	
<b>Display</b>	
Size	Full HD 17.3" TFT Active Matrix, widescreen format. LED Backlight
Resolution	1920 (h) x 1080 (v)
Brightness	400 cd/m2
Contrast ratio	600:1
Pixel	0.1989 (h) x 0.1989 (v) mm
Viewing angle	60°/ 80° (u/d) - 80°/ 80°(l/r)
Viewing area	381.888 (h) x 214.812 (v) mm
LED backlight lifespan	50,000 hrs
Response time	Tr 37 ms, Tf 3 ms
Temperature (operating/storage)	Operating 0°C -- +40°C Storage -20°C -- +60°C
<b>Materials</b>	
Cabinet	Solid mechanised aluminium housing with anodised finish. Front black serigraphed glass.
<b>Connectivity</b>	
Input signal	HDMI retractable cable input HDMI input below the monitor HDMI loop IN/OUT
RJ45 CAT6 (with loop)	Addressable RS422 monitor control by AHnet protocol
GPI (SubD9)	Up/down control
<b>Engine</b>	
Control Up/Down	Sensor on the monitor frame, GPI, RS422
Electronic control	PWM
<b>Control</b>	
Monitor Control	RS422 (RJ45 CAT6)
<b>Electrical</b>	
External power supply	100-240 Vac, 47/63Hz, 12Vdc
Power consumption	50W
<b>Accessories</b>	
ERT	Ethernet interface unit
AH mcs	Monitor Control Software
<b>Mechanical</b>	
Monitor Dimensions:	
Screen	424 x 241 x 20 mm [16.69" x 9.49" x 0.79"]
Top frame	472 x 20 mm [18.58" x 0.79"]
Housing below the table	525 x 607 x 80 mm [20.67" x 23.90" x 3.15"]
Weight	16.5 Kg / 36.3 lbs
<b>Shipping Dimensions</b>	
Weight	17.5 Kg / 38.5
Shipping Box	625 x 175 x 715 mm

## 2.2. DB2Share 22"

AH22DB2Share	
<b>Display</b>	
Size	Full HD 21.5" TFT Active Matrix, widescreen. LED Backlight
Resolution	1920 (h) x 1080 (v)
Brightness	250 cd/m2
Contrast ratio	1000:1
Pixel	0.24975 (h) x 0.24975 (v) mm
Viewing angle	178° (v) 178° (v)
Viewing area	476.064 (h) x 267.786 (v) mm
LED backlight lifespan	30,000 hrs
Response time	T <sub>g-g</sub> 14ms
Temperature (operating/storage)	Operating 0°C - +40°C
	Storage -20°C - +60°C
<b>Materials</b>	
Cabinet	Solid mechanised aluminium housing with anodised finish. Front black serigraphed glass.
<b>Connectivity</b>	
Input signal	HDMI retractable cable input HDMI input below the monitor HDMI loop IN/OUT
RJ45 CAT6 (with loop)	Addressable RS422 monitor control by AHnet protocol
GPI (SubD9)	Up/down control
<b>Engine</b>	
Control Up/Down	Sensors on the monitor frame, GPI, RS422
Electronic control	PWM
<b>Control</b>	
Monitor Control	RS422 (RJ45 CAT6)
<b>Electrical</b>	
External power supply	100-240 Vac, 47/63Hz, 12Vdc
Power consumption	60W
<b>Accessories</b>	
ERT	Ethernet interface unit
AH mcs	Monitor Control Software
<b>Mechanical</b>	
Monitor Dimensions:	
Screen	518 x 312,5 x 20 mm [20.39" x 12.30" x 0.79"]
Top frame	563,50 x 20 mm [22.19" x 0.79"]
Housing below the table	671 x 607 x 80 mm [26.42" x 23.90" x 3.15"]
Weight	TBC
<b>Shipping Dimensions:</b>	
Weight	TBC
Shipping Box	TBC

### 3. DynamicX2



Retractable monitor with anodised aluminium housing. Front double sided anti reflective black edged 3mm glass. Addressable RS-422 monitor control by AHnet open protocol allowing individual remote control, set up and diagnostic of up to 30 units per line. GPI (contact close to control movements). DVI-I and DVI-D video inputs. HDCP licensed monitor manufacturer. Control buttons on cover plate (can be activated or deactivated through AHnet protocol command). Low voltage. ISD 2.2" LCD Easy to read Interactive Setup Display to configure and diagnose the unit. Auto RS-422 addressing system that facilitates the address configuration by just pressing one button in an easy and convenient way. One engine for up/down and tilt movements. USB port for local firmware upgrade. Safety system that detects obstructions (causing unit to stop). Adjustable mechanical parameters through AHnet or ISD for calibration and adjustment of mechanics. Auto calibration mode for mechanical speeds and safety parameters. Adjustable parameters of brightness, contrast and backlight through RS-422 (AHnet protocol). External power supply with 4-Pin XLR4 connector.

#### Main Features:

- Automatic 20° tilt angle
- Single engine for up/down and tilt movements
- DVI-I and DVI-D video inputs
- Interactive Setup Display
- HDCP licensed monitor manufacturer
- Maintenance free
- Energy saving design
- Safety system
- Serial control and remote diagnostics by AHnet
- AH-AMMC Auto Mechanical Movement Calibration

\*Note: please check connectivity for 24" model (AH24DX24KGA)

### 3.1. DynamicX2 15"

AH15DX2HDGA	
<b>Display</b>	
Size	FULL HD 15.6" TFT Active Matrix
Resolution	1920 (h) x 1080 (v)
Brightness	400 cd/m2
Contrast ratio	1500:1
Pixel	0.17925 (h) x 0.17925 (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	70,000 hrs
Response time	Tr + Tf 35 ms
Temperature	Operating 0°C -- +40°C Storage -20°C -- +60°C
<b>Materials</b>	
Frame	Anodised aluminium
Glass	AR 2-side with an anti-reflective coating on the glass surface. Thickness: 3.0 ± 0.3 mm
Cover plate	Stainless steel
<b>Connectivity</b>	
Input signal	DVI-I (1 input) Digital / Analogue DVI-D (1 input) Digital HDCP compliant
RJ45 CAT6 (with loop)	Addressable RS422 monitor control by AHnet protocol
GPI (SubD9)	Up/Down control
<b>Control</b>	
	RJ45, RS-422 (I/O)
	Addressing
	Termination switch
	GPI
	IR Remote control (monitor adjustments): 1/5
<b>Movements Control</b>	
User interface on monitor	(Up/Down)
Remote	RS-422 I/O/GPI
<b>Electrical</b>	
Low voltage (external power supply)	100-240Vac, 47/63Hz, 12Vdc
Power consumption	40W
<b>Mechanical</b>	
Monitor Dimensions:	
Screen	403 x 234.16 x 25 mm [15.87"x9.22"x0.98"]
Top frame	500 x 95 x 3 mm [19.69"x3.74"x0.12"]
Housing below the table	485 x 590 x 80 mm [19.09"x23.23"x3.15"]
Weight	17.9 kg / 39.4 lbs
<b>Shipping Dimensions</b>	
Weight	18.9 kg / 41.6 lbs
Shipping Box	615 x 165 x 705 mm

### 3.2. DynamicX2 17"

AH17DX2HDGA	
<b>Display</b>	
Size	Full HD 17.3" TFT Active Matrix
Resolution	1920 (h) x 1080 (v)
Brightness	400 cd/m2
Contrast ratio	600:1
Pixel	0.1989 (h) x 0.1989 (v) mm
Viewing angle	60°/80° (u/d) - 80°/80° (l/r)
Viewing area	381.888 (h) x 214.812 (v) mm
LED backlight lifespan	50.000 hrs
Response time	Tr 37 ms, Tf 3 ms
Temperature	Operating 0°C -- +40°C Storage -20°C -- +60°C
<b>Materials</b>	
Frame	Anodised aluminium
Glass	AR 2-side with an anti-reflective coating on the glass surface. Thickness: 3.0 ± 0.3 mm
Cover plate	Stainless steel
<b>Connectivity</b>	
Input signal	DVI-I (1 input) Digital / Analogue DVI-D (1 input) Digital HDCP compliant
RJ45 CAT6 (with loop)	Addressable RS422 monitor control by AHnet protocol
GPI (SubD9)	Up/Down control
<b>Control</b>	
	RJ45, RS-422 (I/O)
	Addressing
	Termination switch
	GPI
	IR Remote control (monitor adjustments): 1/5
<b>Movements Control</b>	
User interface on monitor	(Up/Down)
Remote	RS-422 I/O/GPI
<b>Electrical</b>	
Low voltage (external power supply)	100-240Vac, 47/63Hz, 12Vdc
Power consumption	50W
<b>Mechanical</b>	
Monitor Dimensions:	
Screen	443 x 258 x 25 mm [17.44"x10.15"x0.98"]
Top frame	540 x 95 x 3 mm [21.26"x3.74"x0.12"]
Housing below the table	525 x 590 x 80 mm [20.67"x23.23"x3.15"]
Weight	19.1 kg / 42.1 lbs
<b>Shipping Dimensions</b>	
Weight	20.1 kg / 44.3 lbs
Shipping Box	635 x 185 x 725 mm

### 3.3. DynamicX2 19"

AH19DX2HDGA	
<b>Display</b>	
Size	Full HD 18.5" TFT Active Matrix
Resolution	1920 (h) x 1080 (v)
Brightness	400 cd/m2
Contrast ratio	1500:1
Pixel	0.213 (h) x 0.213 (v) mm
Viewing angle	85°/85° (u/d) - 85°/85° (l/r)
Viewing area	408.96 (h) x 230.04 (v) mm
LED backlight lifespan	50.000 hrs
Response time	Tr + Tf = 35ms
Temperature	Operating 0°C -- +40°C Storage -20°C -- +60°C
<b>Materials</b>	
Frame	Anodised aluminium
Glass	AR 2-side with an anti-reflective coating on the glass surface. Thickness: 3.0 ± 0.3 mm
Cover plate	Stainless steel
<b>Connectivity</b>	
Input signal	DVI-I (1 input) Digital / Analogue DVI-D (1 input) Digital HDCP compliant
RJ45 CAT6 (with loop)	Addressable RS422 monitor control by AHnet protocol
GPI (SubD9)	Up/Down control
<b>Control</b>	
	RJ45, RS-422 (I/O)
	Addressing
	Termination switch
	GPI
	IR Remote control (monitor adjustments): 1/5
<b>Movements Control</b>	
User interface on monitor	(Up/Down)
Remote	RS-422 I/O/GPI
<b>Electrical</b>	
Low voltage (external power supply)	100-240Vac, 47/63Hz, 12Vdc
Power consumption	55W
<b>Mechanical</b>	
Monitor Dimensions:	
Screen	472 x 271 x 25 mm [18.58" x 10.66" x 0.98"]
Top frame	564 x 95 x 3 mm [22.2" x 3.74" x 0.12"]
Housing below the table	549 x 590 x 80 mm [21.61" x 23.23" x 3.15"]
Weight	20 kg / 44 lbs
<b>Shipping Dimensions</b>	
Weight	21 kg / 46.2 lbs
Shipping Box	640 x 165 x 705 mm



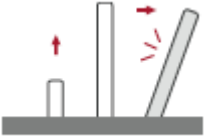
### 3.4. DynamicX2 22"

AH22DX216GA	
<b>Display</b>	
Size	Full HD 21.5" TFT Active Matrix
Resolution	1920 (h) x 1080 (v)
Brightness	250 cd/m2
Contrast ratio	1000:1
Pixel	0.24975 (h) x 0.24975 (v) mm
Viewing angle	178° (v)/178° (h)
Viewing area	476.064 (h) x 267.786 (v)
LED backlight lifespan	30.000 hrs
Response time	T <sub>g-g</sub> 14 ms
Temperature	Operating 0°C -- +40°C Storage -20°C -- +60°C
<b>Materials</b>	
Frame	Anodised aluminium
Glass	AR 2-side with an anti-reflective coating on the glass surface. Thickness: 3.0 ± 0.3 mm
Cover plate	Stainless steel
<b>Connectivity</b>	
Input signal	DVI-I (1 input) Digital / Analogue DVI-D (1 input) Digital HDCP compliant
RJ45 CAT6 (with loop)	Addressable RS422 monitor control by AHnet protocol
GPI (SubD9)	Up/Down control
<b>Control</b>	
	RJ45, RS-422 (I/O)
	Addressing
	Termination switch
	GPI
	IR Remote control (monitor adjustments): 1/5
<b>Movements Control</b>	
User interface on monitor	(Up/Down)
Remote	RS-422 I/O/GPI
<b>Electrical</b>	
Low voltage (external power supply)	100-240Vac, 47/63Hz, 12Vdc
Power consumption	70W
<b>Mechanical</b>	
Monitor Dimensions:	
Screen	538 x 304 x 25 mm [21.21" x 11.97" x 0.98"]
Top frame	636 x 95 x 3 mm [25.03" x 3.73" x 0.12"]
Housing below the table	621 x 590 x 80 mm [24.45" x 23.23" x 3.15"]
Weight	21.2 kg / 46.7 lbs
<b>Shipping Dimensions</b>	
Weight	22.2 Kg / 48.9 lbs
Shipping Box	715 x 165 x 705 mm

### 3.5. DynamicX2 24"

AH24DX24KGA	
<b>Display</b>	
Size	4K 23.8" TFT Active Matrix
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	T <sub>g-g</sub> 14 ms
Temperature	Operating 0°C -- +40°C Storage -20°C -- +60°C
<b>Materials</b>	
Cabinet and cover plate	Solid mechanised aluminium housing with anodised finish. Upper cover plate in brushed stainless steel
<b>Connectivity</b>	
Input signal	VGA 2 x DisplayPort 2 x HDMI
RJ45 CAT6 (with loop)	Addressable RS422 monitor control by AHnet protocol
GPI (SubD9)	Up/Down control
<b>Control</b>	
Monitor control	RS422 (RJ45 CAT6)
<b>Engine</b>	
Control Up/Down	Buttons on cover plate, GPI, RS422
Electronic control	PWM
<b>Electrical</b>	
Low voltage (external power supply)	100-240Vac, 47/63Hz, 12Vdc
Power consumption	60W
<b>Accessories</b>	
ERT	Ethernet interface unit
AH mcs	Monitor Control Software
<b>Mechanical</b>	
Monitor Dimensions:	
Screen	560.2 x 334.3 x 25 mm [22" x 13.16" x 0.98"]
Cover plate	657.50 x 95 mm [25.89" x 3.73"]
Housing below the table	642.50 x 640 x 80 mm [25.30" x 25.20" x 3.15"]
Weight	26 Kg / 57.32 lbs
<b>Shipping Dimensions</b>	
Weight	27 Kg / 59.52 lbs
Shipping Box	735 x 175 x 745 mm

#### 4. DynamicX2 BarConnect



Retractable monitor with anodised aluminium housing, including an independently motorised connectivity box. Front double sided anti reflective black edged 3mm glass. Addressable RS-422 monitor control by AHnet open protocol allowing individual remote control, set up and diagnostics of up to 30 units per line. GPI (contact close to control movements). DVI-I and DVI-D video inputs. HDCP licensed monitor manufacturer. Control buttons on cover plate (can be activated or deactivated through AHnet protocol command). Low voltage. ISD 2.2" LCD Easy to read Interactive Setup Display to configure and diagnose the unit. Auto RS-422 addressing system that facilitates the address configuration by just pressing one button in an easy and convenient way. USB port for local firmware upgrade. Safety system that detects obstructions (causing unit to stop). Adjustable mechanical parameters through AHnet or ISD for calibration and adjustment of mechanics. Auto calibration mode for mechanical speeds and safety parameters. Adjustable parameters of brightness, contrast and backlight through RS-422 (AHnet protocol). External power supply with 4-Pin XLR4 connector.

Retractable motorised connection box integrated including 1 USB, 1 power USB, 1 power outlet, 1 RJ45 and 1 HDMI connector.

#### Main Features:

- Retractable monitor with AV connectivity integrated
- Rising, retraction and automatic 20° tilt of monitor with one single engine
- BarConnect integrated: independent motorised connection box including 1 USB, 1 power USB, 1 power outlet, 1 RJ45 and 1 HDMI connector
- 4 operation buttons (2 for the monitor and 2 for the connectivity box)
- DVI-I and DVI-D video inputs
- Interactive Setup Display
- HDCP licensed monitor manufacturer
- Maintenance free
- Energy saving design
- Safety system
- Serial control and remote diagnostics by AHnet
- AH-AMMC Auto Mechanical Movement Calibration

## 4.1. DynamicX2 BarConnect 15"

AH15DX2HDGA/BC	
<b>Monitor</b>	
<b>Display</b>	
Size	FULL HD 15.6" TFT Active Matrix
Resolution	1920 (h) x 1080 (v)
Brightness	400 cd/m2
Contrast ratio	1500:1
Pixel	0.17925 (h) x 0.17925 (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	70,000 hrs
Response time	Tr + Tf 35 ms
Temperature	Operating 0°C -- +40°C Storage -20°C -- +60°C
<b>Materials</b>	
Frame	Anodised aluminium
Glass	AR 2-side with an anti-reflective coating on the glass surface. Thickness: 3.0 ± 0.3 mm
Cover plate	Stainless steel
<b>Connectivity</b>	
Input signal	DVI-I (1 input) Digital / Analogue DVI-D (1 input) Digital HDCP compliant
RJ45 CAT6 (with loop)	Addressable RS422 monitor control by AHnet protocol
GPI (SubD9)	Up/Down control
<b>Control</b>	
	RJ45, RS-422 (I/O)
	Addressing
	Termination switch
	GPI
	IR Remote control (monitor adjustments): 1/5
<b>Movements Control</b>	
User interface on monitor	(Up/Down)
Remote	RS-422 I/O/GPI
<b>Electrical</b>	
Low voltage (external power supply)	100-240Vac, 47/63Hz, 12Vdc
Power consumption	40W
<b>BarConnect</b>	
<b>Connectivity</b>	
RJ45 CAT6 (with loop)	Addressable RS422 monitor control by AHnet protocol
Connectors	USB Power USB Power outlet RJ45 HDMI
<b>Engine</b>	
Control Up/Down	Buttons on cover plate, RS422 (RJ45 CAT6)
Electronic control	PWM
<b>Electrical</b>	

External power supply	100-240 Vac, 47/63Hz, 12Vdc
Power consumption	10W
<b>DynamicX2 BarConnect</b>	
<b>Mechanical</b>	
Monitor Dimensions:	
Screen	403 x 234 x 25 mm [15.87"x9.21"x0.98"]
Top frame	500 x 228.6 mm [19.68" x 9"]
Housing below the table	485 x 590 x 80 mm [19.09" x 23.23" x 3.15"]
Weight	24 kg / 52.9 lbs
<b>Shipping Dimensions</b>	
Weight	25 kg / 55.1 lbs
Shipping Box	575 x 305 x 670 mm

## 4.2. DynamicX2 BarConnect 17"

AH17DX2HDGA/BC	
<b>Monitor</b>	
<b>Display</b>	
Size	Full HD 17.3" TFT Active Matrix
Resolution	1920 (h) x 1080 (v)
Brightness	400 cd/m2
Contrast ratio	600:1
Pixel	0.1989 (h) x 0.1989 (v) mm
Viewing angle	60°/80° (u/d) - 80°/80° (l/r)
Viewing area	381.888 (h) x 214.812 (v) mm
LED backlight lifespan	50.000 hrs
Response time	Tr 37 ms, Tf 3 ms
Temperature	Operating 0°C -- +40°C Storage -20°C -- +60°C
<b>Materials</b>	
Frame	Anodised aluminium
Glass	AR 2-side with an anti-reflective coating on the glass surface. Thickness: 3.0 ± 0.3 mm
Cover plate	Stainless steel
<b>Connectivity</b>	
Input signal	DVI-I (1 input) Digital / Analogue DVI-D (1 input) Digital HDCP compliant
RJ45 CAT6 (with loop)	Addressable RS422 monitor control by AHnet protocol
GPI (SubD9)	Up/Down control
<b>Control</b>	
	RJ45, RS-422 (I/O)
	Addressing
	Termination switch
	GPI
	IR Remote control (monitor adjustments): 1/5
<b>Movements Control</b>	
User interface on monitor	(Up/Down)
Remote	RS-422 I/O/GPI
<b>Electrical</b>	
Low voltage (external power supply)	100-240Vac, 47/63Hz, 12Vdc
Power consumption	50W
<b>BarConnect</b>	
<b>Connectivity</b>	
RJ45 CAT6 (with loop)	Addressable RS422 monitor control by AHnet protocol
Connectors	USB Power USB Power outlet RJ45 HDMI
<b>Engine</b>	
Control Up/Down	Buttons on cover plate, RS422 (RJ45 CAT6)
Electronic control	PWM

<b>Electrical</b>	
External power supply	100-240 Vac, 47/63Hz, 12Vdc
Power consumption	10W
<b>DynamicX2 BarConnect</b>	
<b>Mechanical</b>	
Monitor Dimensions:	
Screen	443 x 258 x 25 mm [17.44" x 10.15" x 0.98"]
Top frame	540 x 229 mm [21.25" x 9.02"]
Housing below the table	425 x 590 x 80 mm [20.67" x 23.23" x 3.15"]
Weight	26 Kg / 57.32 lbs
<b>Shipping Dimensions</b>	
Weight	27 Kg / 59.52 lbs
Shipping Box	TBD

### 4.3. DynamicX2 BarConnect 19"

AH19DX2HDGA/BC	
<b>Monitor</b>	
<b>Display</b>	
Size	Full HD 18.5" TFT Active Matrix
Resolution	1920 (h) x 1080 (v)
Brightness	400 cd/m2
Contrast ratio	1500:1
Pixel	0.213 (h) x 0.213 (v) mm
Viewing angle	85°/85° (u/d) - 85°/85° (l/r)
Viewing area	408.96 (h) x 230.04 (v) mm
LED backlight lifespan	50.000 hrs
Response time	Tr + Tf = 35ms
Temperature	Operating 0°C -- +40°C Storage -20°C -- +60°C
<b>Materials</b>	
Frame	Anodised aluminium
Glass	AR 2-side with an anti-reflective coating on the glass surface. Thickness: 3.0 ± 0.3 mm
Cover plate	Stainless steel
<b>Connectivity</b>	
Input signal	DVI-I (1 input) Digital / Analogue DVI-D (1 input) Digital HDCP compliant
RJ45 CAT6 (with loop)	Addressable RS422 monitor control by AHnet protocol
GPI (SubD9)	Up/Down control
<b>Control</b>	
	RJ45, RS-422 (I/O)
	Addressing
	Termination switch
	GPI
	IR Remote control (monitor adjustments): 1/5
<b>Movements Control</b>	
User interface on monitor	(Up/Down)
Remote	RS-422 I/O/GPI
<b>Electrical</b>	
Low voltage (external power supply)	100-240Vac, 47/63Hz, 12Vdc
Power consumption	55W
<b>BarConnect</b>	
<b>Connectivity</b>	
RJ45 CAT6 (with loop)	Addressable RS422 monitor control by AHnet protocol
Connectors	USB Power USB Power outlet RJ45 HDMI
<b>Engine</b>	
Control Up/Down	Buttons on cover plate, RS422 (RJ45 CAT6)
Electronic control	PWM



<b>Electrical</b>	
External power supply	100-240 Vac, 47/63Hz, 12Vdc
Power consumption	10W
<b>DynamicX2 BarConnect</b>	
<b>Mechanical</b>	
Monitor Dimensions:	
Screen	472 x 269 x 25 mm [18.58" x 10.60" x 0.98"]
Top frame	564 x 229 mm [22.20" x 9.02"]
Housing below the table	549 x 590 x 80 mm [21.61" x 23.23" x 3.15"]
Weight	27 Kg / 59.52 lbs
<b>Shipping Dimensions</b>	
Weight	28 Kg / 61.72 lbs
Shipping Box	TBD

#### 4.4. DynamicX2 BarConnect 22"

AH22DX2HDGA/BC	
<b>Monitor</b>	
<b>Display</b>	
Size	Full HD 21.5" TFT Active Matrix
Resolution	1920 (h) x 1080 (v)
Brightness	250 cd/m2
Contrast ratio	1000:1
Pixel	0.24975 (h) x 0.24975 (v) mm
Viewing angle	178° (v)/178° (h)
Viewing area	476.064 (h) x 267.786 (v)
LED backlight lifespan	30.000 hrs
Response time	Tg-g 14 ms
Temperature	Operating 0°C -- +40°C Storage -20°C -- +60°C
<b>Materials</b>	
Frame	Anodised aluminium
Glass	AR 2-side with an anti-reflective coating on the glass surface. Thickness: 3.0 ± 0.3 mm
Cover plate	Stainless steel
<b>Connectivity</b>	
Input signal	DVI-I (1 input) Digital / Analogue DVI-D (1 input) Digital HDCP compliant
RJ45 CAT6 (with loop)	Addressable RS422 monitor control by AHnet protocol
GPI (SubD9)	Up/Down control
<b>Control</b>	
	RJ45, RS-422 (I/O)
	Addressing
	Termination switch
	GPI
	IR Remote control (monitor adjustments): 1/5
<b>Movements Control</b>	
User interface on monitor	(Up/Down)
Remote	RS-422 I/O/GPI
<b>Electrical</b>	
Low voltage (external power supply)	100-240Vac, 47/63Hz, 12Vdc
Power consumption	60W
<b>BarConnect</b>	
<b>Connectivity</b>	
RJ45 CAT6 (with loop)	Addressable RS422 monitor control by AHnet protocol
Connectors	USB Power USB Power outlet RJ45 HDMI
<b>Engine</b>	
Control Up/Down	Buttons on cover plate, RS422 (RJ45 CAT6)
Electronic control	PWM

<b>Electrical</b>	
External power supply	100-240 Vac, 47/63Hz, 12Vdc
Power consumption	10W
<b>DynamicX2 BarConnect</b>	
<b>Mechanical</b>	
Monitor Dimensions:	
Screen	539 x 304 x 25 mm [21.21" x 11.96" x 0.98"]
Top frame	636 x 229 mm [25.03" x 9.01"]
Housing below the table	621 x 590 x 80 mm [24.45" x 23.23" x 3.15"]
Weight	29 Kg / 63.93 lbs
<b>Shipping Dimensions</b>	
Weight	30 Kg / 66.13 lbs
Shipping Box	TBD

## 5. DynamicX2KM



Retractable monitor with anodised aluminium housing. Front double sided anti reflective black edged 3mm glass. Integrates an automated keyboard and mouse holder, creating a motorised automation system that lifts the keyboard and mouse at the same time the monitor is being raised. Addressable RS-422 monitor control by AHnet open protocol allowing individual remote control, set up and diagnostic of up to 30 units per line. GPI (contact close to control movements). DVI-I and DVI-D video inputs. HDCP licensed monitor manufacturer. Control buttons on cover plate (can be activated or deactivated through AHnet protocol command). Low voltage. ISD 2.2" LCD Easy to read Interactive Setup Display to configure and diagnose the unit. Auto RS-422 addressing system that facilitates the address configuration by just pressing one button in an easy and convenient way. One engine for up/down and tilt movements. USB port for local firmware upgrade. Safety system that detects obstructions (causing unit to stop). Adjustable mechanical parameters through AHnet or ISD for calibration and adjustment of mechanics. Auto calibration mode for mechanical speeds and safety parameters. Adjustable parameters of brightness, contrast and backlight through RS-422 (AHnet protocol). External power supply with 4-Pin XLR4 connector.

### Main Features:

- Motorised keyboard and mouse compartments
- Connectivity for keyboard and mouse
- Automatic 20° tilt angle
- DVI-I and DVI-D video inputs
- Interactive Setup Display
- HDCP licensed monitor manufacturer
- Maintenance free
- Energy saving design
- Safety system
- Serial control and remote diagnostics by AHnet
- AH-AMMC Auto Mechanical Movement Calibration

## 5.1. DynamicX2KM 22"

AH22DX2KM	
<b>Display</b>	
Size	Full HD 21.5" TFT Active Matrix
Resolution	1920 (h) x 1080 (v)
Brightness	250 cd/m <sup>2</sup>
Contrast ratio	1000:1
Pixel	0.24975 (h) x 0.24975 (v) mm
Viewing angle	178° (v)/178° (h)
Viewing area	476.064 (h) x 267.786 (v)
LED backlight lifespan	30.000 hrs
Response time	T <sub>g-r</sub> 14 ms
Temperature	Operating 0°C -- +40°C Storage -20°C -- +60°C
<b>Materials</b>	
Frame	Anodised Aluminium
Glass	AR 2-side with an anti-reflective coating on the glass surface. Thickness: 3.0 ± 0.3 mm
Cover plate	Stainless steel
<b>Connectivity</b>	
Input signal	DVI-I (1 input) Digital / Analogue DVI-D (1 input) Digital HDCP compliant
RJ45 CAT6 (with loop)	Addressable RS422 monitor control by AHnet protocol
GPI (SubD9)	Up/Down control
<b>Control</b>	
	RJ45, RS-422 (I/O)
	Addressing
	Termination switch
	GPI
	IR Remote control (monitor adjustments): 1/5
<b>Movements Control</b>	
User interface on monitor	(Up/Down)
Remote	RS-422 I/O/GPI
<b>Electrical</b>	
Low voltage (external power supply)	100-240Vac, 47/63Hz, 12Vdc
Power consumption	60W
<b>Automated Keyboard and Mouse</b>	
<b>Compartments dimensions</b>	
Max. Keyboard dimensions	285 x 120 x 15 mm [11,22 x 4,72 x 0,52"]
Max. Mouse dimensions	120 x 65 x 40 mm [4,72 x 2,56 x 1,57"]

## 6. Dynamic2



Retractable motorised monitor with one single engine. Monitor housing with squared edges made of anodised aluminium. 20 degrees of automatic inclination. Addressable RS-422 monitor control by AHnet open protocol allowing individual remote control, set up and diagnostic of up to 30 units per line. GPI (contact close to control movements). DVI-I and DVI-D video inputs. HDCP licensed monitor manufacturer. Low voltage. ISD 2.2" LCD Easy to read Interactive Setup Display to configure and diagnose the unit. Auto RS-422 addressing system that facilitates the address configuration by just pressing one button in an easy and convenient way. Buttons on cover plate (can be activated or deactivated through AHnet protocol command). One engine for up/down and tilt movements. USB port for local firmware upgrade. Safety system that detects obstructions (causing unit to stop). Adjustable mechanical parameters through AHnet or ISD for calibration and adjustment of mechanics. Auto calibration mode for mechanical speeds and safety parameters. Adjustable parameters of brightness, contrast and backlight through RS-422 (AHnet protocol). External power supply with 4-Pin XLR4 connector.

### Main features:

- Automatic 20° tilt
- Single engine for up/down and tilt movements
- DVI-I and DVI-D video inputs
- Interactive Setup Display
- HDCP licensed monitor manufacturer
- Maintenance free
- Energy saving design
- Safety system
- Serial control and remote diagnostics by AHnet
- AH-AMMC Auto Mechanical Movement Calibration

## 6.1. Dynamic2 12"

AH12D2HDA	
<b>Display</b>	
Size	12.1" TFT Active Matrix, widescreen
Resolution	1920 (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 0°C - +40°C
	Storage -20°C - +60°C
<b>Materials</b>	
Frame	Anodised aluminium
Cover plate	Stainless steel
<b>Connectivity</b>	
Input signal	DVI-I (1 input) DVI-D (1 input) HDCP compliant
RJ45 CAT6 (with loop)	Addressable RS422 monitor control by AHnet protocol
GPI (SubD9)	Up/Down control
<b>Control</b>	
	RJ45, RS-422 (I/O)
	Addressing
	Termination switch
	GPI
	IR Remote control (monitor adjustments): 1/5
<b>Movements Control</b>	
User interface on monitor	(Up/Down)
Remote	RS-422 I/O/GPI
<b>Electrical</b>	
Low voltage (external power supply)	100-240Vac, 47/63Hz, 12Vdc
Power consumption	40W

## 6.2. Dynamic2 15"

AH15D2HDA	
<b>Display</b>	
Size	Full HD 15.6" TFT Active Matrix
Resolution	1920 (h) x 1080 (v)
Brightness	400 cd/m2
Contrast ratio	1500:1
Pixel	0.17925 (h) x 0.17925 (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	70,000 hrs
Response time	Tr + Tf 35 ms
Temperature	Operating 0°C -- +40°C Storage -20°C -- +60°C
<b>Materials</b>	
Frame	Anodised aluminium
Cover plate	Stainless steel
<b>Connectivity</b>	
Input signal	DVI-I (1 input) DVI-D (1 input) HDCP compliant
RJ45 CAT6 (with loop)	Addressable RS422 monitor control by AHnet protocol
GPI (SubD9)	Up/Down control
<b>Control</b>	
	RJ45, RS-422 (I/O)
	Addressing
	Termination switch
	GPI
	IR Remote control (monitor adjustments): 1/5
<b>Movements Control</b>	
User interface on monitor	(Up/Down)
Remote	RS-422 I/O/GPI
<b>Electrical</b>	
Low voltage (external power supply)	100-240Vac, 47/63Hz, 12Vdc
Power consumption	40W



### 6.3. Dynamic2 17"

AH17D2HDA	
<b>Display</b>	
Size	Full HD 17.3" TFT Active Matrix, widescreen. LED Backlight
Resolution	1920 (h) x 1080 (v)
Brightness	400 cd/m2
Contrast ratio	600:1
Pixel	0.1989 (h) x 0.1989 (v) mm
Viewing angle	60°/80° (u/d) 80°/ 80° (l/r)
Viewing area	381.888 (h) x 214.812 (v) mm
LED backlight lifespan	50,000 hrs
Response time	Tr 37 ms, Tf 3 ms
Temperature	Operating 0°C - +40°C
	Storage -20°C - +60°C
<b>Materials</b>	
Frame	Anodised aluminium
Cover plate	Stainless steel
<b>Connectivity</b>	
Input signal	DVI-I (1 input) DVI-D (1 input) HDCP compliant
RJ45 CAT6 (with loop)	Addressable RS422 monitor control by AHnet protocol
GPI (SubD9)	Up/Down control
<b>Control</b>	
	RJ45, RS-422 (I/O)
	Addressing
	Termination switch
	GPI
	IR Remote control (monitor adjustments): 1/5
<b>Movements Control</b>	
User interface on monitor	(Up/Down)
Remote	RS-422 I/O/GPI
<b>Electrical</b>	
Low voltage (external power supply)	100-240Vac, 47/63Hz, 12Vdc
Power consumption	50W

## 6.4. Dynamic2 19"

AH19D2HDA	
<b>Display</b>	
Size	Full HD 18.5" TFT Active Matrix
Resolution	1920 (h) x 1080 (v)
Brightness	400 cd/m2
Contrast ratio	1500:1
Pixel	0.213 (h) x 0.213 (v) mm
Viewing angle	85°/85° (u/d) - 85°/85° (l/r)
Viewing area	408.96 (h) x 230.04 (v) mm
LED backlight lifespan	50.000 hrs
Response time	Tr + Tf = 35ms
Temperature	Operating 0°C -- +40°C Storage -20°C -- +60°C
<b>Materials</b>	
Frame	Anodised aluminium
Cover plate	Stainless steel
<b>Connectivity</b>	
Input signal	DVI-I (1 input) DVI-D (1 input) HDCP compliant
RJ45 CAT6 (with loop)	Addressable RS422 monitor control by AHnet protocol
GPI (SubD9)	Up/Down control
<b>Control</b>	
	RJ45, RS-422 (I/O)
	Addressing
	Termination switch
	GPI
	IR Remote control (monitor adjustments): 1/5
<b>Movements Control</b>	
User interface on monitor	(Up/Down)
Remote	RS-422 I/O/GPI
<b>Electrical</b>	
Low voltage (external power supply)	100-240Vac, 47/63Hz, 12Vdc
Power consumption	55W

## 6.5. Dynamic2 22"

AH22D2HDA	
<b>Display</b>	
Size	Full HD 21.5" TFT Active Matrix, widescreen. LED Backlight
Resolution	1920 (h) x 1080 (v)
Brightness	250 cd/m2
Contrast ratio	1000:1
Pixel	0.24975 (h) x 0.24975 (v) mm
Viewing angle	178° (v) 178° (v)
Viewing area	476.064 (h) x 267.786 (v) mm
LED backlight lifespan	30.000 hrs
Response time	T <sub>g-g</sub> 14ms
Temperature	Operating 0°C - +40°C
	Storage -20°C - +60°C
<b>Materials</b>	
Frame	Anodised aluminium
Cover plate	Stainless steel
<b>Connectivity</b>	
Input signal	DVI-I (1 input) DVI-D (1 input) HDCP compliant
RJ45 CAT6 (with loop)	Addressable RS422 monitor control by AHnet protocol
GPI (SubD9)	Up/Down control
<b>Control</b>	
	RJ45, RS-422 (I/O)
	Addressing
	Termination switch
	GPI
	IR Remote control (monitor adjustments): 1/5
<b>Movements Control</b>	
User interface on monitor	(Up/Down)
Remote	RS-422 I/O/GPI
<b>Electrical</b>	
Low voltage (external power supply)	100-240Vac, 47/63Hz, 12Vdc
Power consumption	70W

## 7. Dynamic3



Motorised foldable aluminium monitor. Screen lifting system that activates automatically the rising of a synchronised tray. Front double sided anti reflective black edged 3mm glass. 90 to 110 degrees adjustable inclination. Addressable RS-422 monitor control by AHnet open protocol allowing individual remote control, set up and diagnostic of up to 30 units per line. GPI (contact close to control movements). DVI-I and DVI-D video inputs. HDCP licensed monitor manufacturer. Control buttons on cover plate (can be activated or deactivated through AHnet protocol command). Low voltage. ISD 2.2" LCD Easy to read Interactive Setup Display to configure and diagnose the unit. Auto RS-422 addressing system that facilitates the address configuration by just pressing one button in an easy and convenient way. USB port for local firmware upgrade. Dual safety system that detects obstructions, causing unit to stop through a floating security sensor. Adjustable mechanical parameters through AHnet or ISD for calibration and adjustment of mechanics. Auto calibration mode for mechanical speeds and safety parameters. Adjustable parameters of brightness, contrast and backlight through RS-422 (AHnet protocol). External power supply with 4-Pin XLR4 connector.

### Main Features:

- Opens and folds down
- Synchronised tray lift movement
- Adjustable and memorisable tilt angle from 90 to 110°
- Storage position: screen facing down with automatic switch-off system
- DVI-I and DVI-D video inputs
- Floating security sensor
- Can be veneered for a perfect match with the surface
- Interactive Setup Display
- HDCP licensed monitor manufacturer
- Maintenance free
- Energy saving design
- Dual safety system
- Serial control and remote diagnostics by AHnet
- AH-AMMC Auto Mechanical Movement Calibration

## 7.1. Dynamic3 15"

AH15D3HDGA	
<b>Display</b>	
Size	Full HD 15.6" TFT Active Matrix
Resolution	1920 (h) x 1080 (v)
Brightness	400 cd/m2
Contrast ratio	1500:1
Pixel	0.17925 (h) x 0.17925 (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	70,000 hrs
Response time	Tr + Tf 35 ms
Temperature	Operating 0°C -- +40°C Storage -20°C -- +60°C
<b>Materials</b>	
Frame	Anodised aluminium
Glass	AR 2-side with an anti-reflective coating on the glass surface. Thickness: 3.0 ± 0.3 mm
Cover plate	Anodised aluminium
<b>Connectivity</b>	
Input signal	DVI-I (1 input) DVI-D (1 input) HDCP compliant
RJ45 CAT6 (with loop)	Addressable RS422 monitor control by AHnet protocol
GPI (SubD9)	Up/Down control
<b>Control</b>	
	RJ45, RS-422 (I/O)
	Addressing
	Termination switch
	GPI
	IR Remote control (monitor adjustments): 1/5
<b>Movements Control</b>	
User interface on monitor	(Up/Down)
Remote	RS-422 I/O/GPI
<b>Electrical</b>	
Low voltage (external power supply)	100-240Vac, 47/63Hz, 12Vdc
Power consumption	40W
<b>Mechanical</b>	
Monitor Dimensions:	
Screen	402 x 266 x 25 mm [15.83"x10.46"x0.98"]
Top frame	469 x 394 mm [18.46"x15.51"]
Housing below the table	459 x 377.50 x 102.5 mm [18.07"x14.86"x4.03"]
Weight	16.4 kg / 36.1 lbs
<b>Shipping Dimensions</b>	
Weight	17.4 kg / 38.3 lbs
Shipping Box	559 x 469 x 222 mm

## 7.2. Dynamic3 17"

AH17D3HDGA	
<b>Display</b>	
Size	Full HD 17.3" TFT Active Matrix
Resolution	1920 (h) x 1080 (v)
Brightness	400 cd/m2
Contrast ratio	600:1
Pixel	0.1989 (h) x 0.1989 (v) mm
Viewing angle	60°/80° (u/d) - 80°/80° (l/r)
Viewing area	381.888 (h) x 214.812 (v) mm
LED backlight lifespan	50.000 hrs
Response time	Tr 37 ms, Tf 3 ms
Temperature	Operating 0°C -- +40°C Storage -20°C -- +60°C
<b>Materials</b>	
Frame	Anodised aluminium
Glass	AR 2-side with an anti-reflective coating on the glass surface. Thickness: 3.0 ± 0.3 mm
Cover plate	Anodised aluminium
<b>Connectivity</b>	
Input signal	DVI-I (1 input) DVI-D (1 input) HDCP compliant
RJ45 CAT6 (with loop)	Addressable RS422 monitor control by AHnet protocol
GPI (SubD9)	Up/Down control
<b>Control</b>	
	RJ45, RS-422 (I/O)
	Addressing
	Termination switch
	GPI
	IR Remote control (monitor adjustments): 1/5
<b>Movements Control</b>	
User interface on monitor	(Up/Down)
Remote	RS-422 I/O/GPI
<b>Electrical</b>	
Low voltage (external power supply)	100-240Vac, 47/63Hz, 12Vdc
Power consumption	50W
<b>Mechanical</b>	
Monitor Dimensions:	
Screen	442 x 289 x 25 mm [17.40"x11.39"x0.98"]
Top frame	509 x 419 mm [20.04"x16.50"]
Housing below the table	499 x 401.9 x 102.5 mm [19.65"x15.82"x4.03"]
Weight	17.8 kg / 39.2 lbs
<b>Shipping Dimensions</b>	
Weight	18.8 kg / 41.4 lbs
Shipping Box	559 x 469 x 222 mm

### 7.3. Dynamic3 19"

AH19D3HDGA	
<b>Display</b>	
Size	Full HD 18.5" TFT Active Matrix
Resolution	1920 (h) x 1080 (v)
Brightness	400 cd/m2
Contrast ratio	1500:1
Pixel	0.213 (h) x 0.213 (v) mm
Viewing angle	85°/85° (u/d) - 85°/85° (l/r)
Viewing area	408.96 (h) x 230.04 (v) mm
LED backlight lifespan	50.000 hrs
Response time	Tr + Tf = 35ms
Temperature	Operating 0°C -- +40°C Storage -20°C -- +60°C
<b>Materials</b>	
Frame	Anodised aluminium
Glass	AR 2-side with an anti-reflective coating on the glass surface. Thickness: 3.0 ± 0.3 mm
Cover plate	Anodised aluminium
<b>Connectivity</b>	
Input signal	DVI-I (1 input) DVI-D (1 input) HDCP compliant
RJ45 CAT6 (with loop)	Addressable RS422 monitor control by AHnet protocol
GPI (SubD9)	Up/Down control
<b>Control</b>	
	RJ45, RS-422 (I/O)
	Addressing
	Termination switch
	GPI
	IR Remote control (monitor adjustments): 1/5
<b>Movements Control</b>	
User interface on monitor	(Up/Down)
Remote	RS-422 I/O/GPI
<b>Electrical</b>	
Low voltage (external power supply)	100-240Vac, 47/63Hz, 12Vdc
Power consumption	55W
<b>Mechanical</b>	
Monitor Dimensions:	
Screen	470 x 300 x 25 mm [18.54"x11.81"x0.98"]
Top frame	435 x 542 mm [17.13"x21.34"]
Housing below the table	528 x 413.4 x 77.5 mm [20.79"x16.28"x102.5"]
Weight	18.8 kg / 41.4 lbs
<b>Shipping Dimensions</b>	
Weight	19.8 kg / 43.6 lbs
Shipping Box	582 x 506 x 212 mm

## 7.4. Dynamic3 22"

AH22D316GA	
<b>Display</b>	
Size	Full HD 21.5" TFT Active Matrix
Resolution	1920 (h) x 1080 (v)
Brightness	250 cd/m2
Contrast ratio	1000:1
Pixel	0.24975 (h) x 0.24975 (v) mm
Viewing angle	178° (v)/178° (h)
Viewing area	476.064 (h) x 267.786 (v)
LED backlight lifespan	30.000 hrs
Response time	Tg-g 14 ms
Temperature	Operating 0°C -- +40°C Storage -20°C -- +60°C
<b>Materials</b>	
Frame	Anodised aluminium
Glass	AR 2-side with an anti-reflective coating on the glass surface. Thickness: 3.0 ± 0.3 mm
Cover plate	Anodised aluminium
<b>Connectivity</b>	
Input signal	DVI-I (1 input) DVI-D (1 input) HDCP compliant
RJ45 CAT6 (with loop)	Addressable RS422 monitor control by AHnet protocol
GPI (SubD9)	Up/Down control
<b>Control</b>	
	RJ45, RS-422 (I/O)
	Addressing
	Termination switch
	GPI
	IR Remote control (monitor adjustments): 1/5
<b>Movements Control</b>	
User interface on monitor	(Up/Down)
Remote	RS-422 I/O/GPI
<b>Electrical</b>	
Low voltage (external power supply)	100-240Vac, 47/63Hz, 12Vdc
Power consumption	65W
<b>Mechanical</b>	
Monitor Dimensions:	
Screen	538 x 339.55 x 25 mm [21.18"x13.37"x0.98"]
Top frame	477 x 609 mm [18.78"x23.98"]
Housing below the table	595 x 456 x 102.5 mm [23.43"x17.95"x4.03"]
Weight	20 kg / 44 lbs
<b>Shipping Dimensions</b>	
Weight	21 kg / 46.2 lbs
Shipping Box	649 x 512 x 212 mm



## 8. Dynamic3R



Motorised foldable and rotating aluminium monitor. 180 degrees rotation. Screen lifting system that activates automatically the rising of a synchronised tray. Front double sided anti reflective black edged 3mm glass. 90 to 110 degrees adjustable inclination. 2 working positions: vertical and horizontal (with screen facing up). Storage position: screen facing down with automatic switch-off system. It can also be folded with the screen facing up. Addressable RS-422 monitor control by AHnet open protocol allowing individual remote control, set up and diagnostic of up to 30 units per line. GPI (contact close to control movements). DVI-I and DVI-D video inputs. HDCP licensed monitor manufacturer. Control buttons on cover plate (can be activated or deactivated through AHnet protocol command). Low voltage. ISD 2.2" LCD Easy to read Interactive Setup Display to configure and diagnose the unit. Auto RS-422 addressing system that facilitates the address configuration by just pressing one button in an easy and convenient way. USB port for local firmware upgrade. Dual safety system that detects obstructions, causing unit to stop through a floating security sensor. Adjustable mechanical parameters through AHnet or ISD for calibration and adjustment of mechanics. Auto calibration mode for mechanical speeds and safety parameters. Adjustable parameters of brightness, contrast and backlight through RS-422 (AHnet protocol). External power supply with 4-Pin XLR4 connector.

### Main Features:

- Opens and folds down
- Rotates 180°
- Synchronised tray lift movement
- Adjustable and memorisable tilt angle from 90 to 110°
- 2 working positions: vertical and horizontal (with screen facing up)
- Storage position: screen facing up or down with automatic switch-off system
- Automatic image flip
- Floating security sensor
- Can be veneered for a perfect match with the surface
- DVI-I and DVI-D video inputs
- Interactive Setup Display
- Maintenance free
- HDCP licensed monitor manufacturer
- Energy saving design
- Dual safety system
- Serial control and remote diagnostics by AHnet
- AH-AMMC Auto Mechanical Movement Calibration

## 8.1. Dynamic3R 15" (Motorised rotation)

AH15D3RHDGA	
<b>Display</b>	
Size	Full HD 15.6" TFT Active Matrix
Resolution	1920 (h) x 1080 (v)
Brightness	400 cd/m2
Contrast ratio	1500:1
Pixel	0.17925 (h) x 0.17925 (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	70,000 hrs
Response time	Tr + Tf 35 ms
Temperature	Operating 0°C -- +40°C Storage -20°C -- +60°C
<b>Materials</b>	
Frame	Anodised aluminium
Glass	AR 2-side with an anti-reflective coating on the glass surface. Thickness: 3.0 ± 0.3 mm
Cover plate	Anodised aluminium
<b>Connectivity</b>	
Input signal	DVI-I (1 input) DVI-D (1 input) HDCP compliant
RJ45 CAT6 (with loop)	Addressable RS422 monitor control by AHnet protocol
GPI (SubD9)	Up/Down control
<b>Control</b>	
	RJ45, RS-422 (I/O)
	Addressing
	Termination switch
	GPI
	IR Remote control (monitor adjustments): 1/5
<b>Movements Control</b>	
User interface on monitor	(Up/Down)
Remote	RS-422 I/O/GPI
<b>Electrical</b>	
Low voltage (external power supply)	100-240Vac, 47/63Hz, 12Vdc
Power consumption	40W
<b>Mechanical</b>	
Monitor Dimensions:	
Screen	402 x 266 x 25 mm [15.83"x10.46"x0.98"]
Top frame	469 x 394 mm [18.46"x15.51"]
Housing below the table	459 x 377.50 x 102.5 mm [18.07"x14.86"x4.03"]
Weight	16.4 kg / 36.1 lbs
<b>Shipping Dimensions</b>	
Weight	17.4 kg / 38.3 lbs
Shipping Box	559 x 469 x 222 mm

## 8.2. Dynamic3R 17" (Motorised rotation)

AH17D3RHDGA	
<b>Display</b>	
Size	Full HD 17.3" TFT Active Matrix
Resolution	1920 (h) x 1080 (v)
Brightness	400 cd/m2
Contrast ratio	600:1
Pixel	0.1989 (h) x 0.1989 (v) mm
Viewing angle	60°/80° (u/d) - 80°/80° (l/r)
Viewing area	381.888 (h) x 214.812 (v) mm
LED backlight lifespan	50.000 hrs
Response time	Tr 37 ms, Tf 3 ms
Temperature	Operating 0°C -- +40°C Storage -20°C -- +60°C
<b>Materials</b>	
Frame	Anodised aluminium
Glass	AR 2-side with an anti-reflective coating on the glass surface. Thickness: 3.0 ± 0.3 mm
Cover plate	Anodised aluminium
<b>Connectivity</b>	
Input signal	DVI-I (1 input) DVI-D (1 input) HDCP compliant
RJ45 CAT6 (with loop)	Addressable RS422 monitor control by AHnet protocol
GPI (SubD9)	Up/Down control
<b>Control</b>	
	RJ45, RS-422 (I/O)
	Addressing
	Termination switch
	GPI
	IR Remote control (monitor adjustments): 1/5
<b>Movements Control</b>	
User interface on monitor	(Up/Down)
Remote	RS-422 I/O/GPI
<b>Electrical</b>	
Low voltage (external power supply)	100-240Vac, 47/63Hz, 12Vdc
Power consumption	50W
<b>Mechanical</b>	
Monitor Dimensions:	
Screen	442 x 289 x 25 mm [17.40"x11.39"x0.98"]
Top frame	509 x 419 mm [20.04"x16.50"]
Housing below the table	499 x 401.9 x 102.5 mm [19.65"x15.82"x4.03"]
Weight	17.8 kg / 39.2 lbs
<b>Shipping Dimensions</b>	
Weight	18.8 kg / 41.4 lbs
Shipping Box	559 x 469 x 222 mm

### 8.3. Dynamic3R 19" (Motorised rotation)

AH19D3RHDGA	
<b>Display</b>	
Size	Full HD 18.5" TFT Active Matrix
Resolution	1920 (h) x 1080 (v)
Brightness	400 cd/m <sup>2</sup>
Contrast ratio	1500:1
Pixel	0.213 (h) x 0.213 (v) mm
Viewing angle	85°/85° (u/d) - 85°/85° (l/r)
Viewing area	408.96 (h) x 230.04 (v) mm
LED backlight lifespan	50.000 hrs
Response time	Tr + Tf = 35ms
Temperature	Operating 0°C -- +40°C Storage -20°C -- +60°C
<b>Materials</b>	
Frame	Anodised aluminium
Glass	AR 2-side with an anti-reflective coating on the glass surface. Thickness: 3.0 ± 0.3 mm
Cover plate	Anodised aluminium
<b>Connectivity</b>	
Input signal	DVI-I (1 input) DVI-D (1 input) HDCP compliant
RJ45 CAT6 (with loop)	Addressable RS422 monitor control by AHnet protocol
GPI (SubD9)	Up/Down control
<b>Control</b>	
	RJ45, RS-422 (I/O)
	Addressing
	Termination switch
	GPI
	IR Remote control (monitor adjustments): 1/5
<b>Movements Control</b>	
User interface on monitor	(Up/Down)
Remote	RS-422 I/O/GPI
<b>Electrical</b>	
Low voltage (external power supply)	100-240Vac, 47/63Hz, 12Vdc
Power consumption	55W
<b>Mechanical</b>	
Monitor Dimensions:	
Screen	470 x 300 x 25 mm [18.54"x11.81"x0.98"]
Top frame	435 x 542 mm [17.13"x21.34"]
Housing below the table	528 x 413.4 x 77.5 mm [20.79"x16.28"x102.5"]
Weight	18.8 kg / 41.4 lbs
<b>Shipping Dimensions</b>	
Weight	19.8 kg / 43.6 lbs
Shipping Box	582 x 506 x 212 mm

## 8.4. Dynamic3R 22" (Motorised rotation)

AH22D3R16GA	
<b>Display</b>	
Size	Full HD 21.5" TFT Active Matrix
Resolution	1920 (h) x 1080 (v)
Brightness	250 cd/m2
Contrast ratio	1000:1
Pixel	0.24975 (h) x 0.24975 (v) mm
Viewing angle	178° (v)/178° (h)
Viewing area	476.064 (h) x 267.786 (v)
LED backlight lifespan	30.000 hrs
Response time	Tg-g 14 ms
Temperature	Operating 0°C -- +40°C Storage -20°C -- +60°C
<b>Materials</b>	
Frame	Anodised aluminium
Glass	AR 2-side with an anti-reflective coating on the glass surface. Thickness: 3.0 ± 0.3 mm
Cover plate	Anodised aluminium
<b>Connectivity</b>	
Input signal	DVI-I (1 input) DVI-D (1 input) HDCP compliant
RJ45 CAT6 (with loop)	Addressable RS422 monitor control by AHnet protocol
GPI (SubD9)	Up/Down control
<b>Control</b>	
	RJ45, RS-422 (I/O)
	Addressing
	Termination switch
	GPI
	IR Remote control (monitor adjustments): 1/5
<b>Movements Control</b>	
User interface on monitor	(Up/Down)
Remote	RS-422 I/O/GPI
<b>Electrical</b>	
Low voltage (external power supply)	100-240Vac, 47/63Hz, 12Vdc
Power consumption	65W
<b>Mechanical</b>	
Monitor Dimensions:	
Screen	538 x 339.55 x 25 mm [21.18"x13.37"x0.98"]
Top frame	477 x 609 mm [18.78"x23.98"]
Housing below the table	595 x 456 x 102.5 mm [23.43"x17.95"x4.03"]
Weight	20 kg / 44 lbs
<b>Shipping Dimensions</b>	
Weight	21 kg / 46.2 lbs
Shipping Box	649 x 512 x 212 mm

## 9. Dynamic3Reverse



Motorised foldable monitor. Front double sided anti reflective black edged 3mm glass. 0 to 90 degrees adjustable viewing angle. Addressable RS-422 monitor control by AHnet open protocol allowing individual remote control, set up and diagnose of up to 30 units per line. GPI (contact close to control movements). DVI-I and DVI-D video inputs. HDCP licensed monitor manufacturer. Control buttons on cover plate (can be activated or deactivated through AHnet protocol command). Low voltage. ISD 2.2" LCD Easy to read Interactive Setup Display to configure and diagnose the unit. Auto RS-422 addressing system that facilitates the address configuration by just pressing one button in an easy and convenient way. One servo actuator. USB port for local firmware upgrade. Safety system that detects obstructions (causing unit to stop). Floating security system. Adjustable mechanical parameters through AHnet or ISD for calibration and adjustment of mechanics. Auto calibration mode for mechanical speeds and safety parameters. Adjustable parameters of brightness, contrast and backlight through RS-422 (AHnet protocol). External power supply with 4-Pin XLR4 connector.

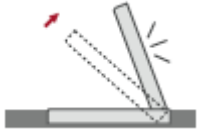
### Main features:

- Horizontal motorised movement
- Adjustable viewing angle from 0 to 90°
- Rises, rotates and folds with the screen facing down
- DVI-I and DVI-D video inputs
- Position memory
- Interactive Setup Display
- HDCP licensed monitor manufacturer
- Energy saving design
- Maintenance free
- Safety system
- Serial control and remote diagnostics by AHnet
- AH-AMMC Auto Mechanical Movement Calibration

## 9.1. Dynamic3Reverse 19"

AH18D3RHDGA	
<b>Display</b>	
Size	Full HD 18.5" TFT Active Matrix
Resolution	1920 (h) x 1080 (v)
Brightness	400 cd/m2
Contrast ratio	1500:1
Pixel	0.213 (h) x 0.213 (v) mm
Viewing angle	85°/85° (u/d) - 85°/85° (l/r)
Viewing area	408.96 (h) x 230.04 (v) mm
LED backlight lifespan	50.000 hrs
Response time	Tr + Tf = 35ms
Temperature	Operating 0°C -- +40°C Storage -20°C -- +60°C
<b>Materials</b>	
Cabinet	Solid aluminium with anodised finish
Screen	Touch screen with black edged glass
<b>Connectivity</b>	
Input signal	DVI-I (1 input) DVI-D (1 input) HDCP compliant
RJ45 CAT6 (with loop)	Addressable RS422 monitor control by AHnet protocol
GPI (SubD9)	Up/Down control
<b>Control</b>	
	RJ45, RS-422 (I/O)
	Addressing
	Termination switch
	GPI
	IR Remote control (monitor adjustments): 1/5
<b>Movements Control</b>	
User interface on monitor	(Up/Down)
Remote	RS-422 I/O/GPI
<b>Electrical</b>	
Low voltage (external power supply)	100-240Vac, 47/63Hz, 12Vdc
Power consumption	55W

## 10. Dynamic1H



Motorised rising aluminium monitor with anodised finish and screen always facing up. Front double sided anti reflective black edged 3mm glass. Addressable RS-422 monitor control by AHnet open protocol allowing individual remote control, set up and diagnostic of up to 30 units per line. GPI (contact close to control movements). DVI-I and DVI-D video inputs. HDCP licensed monitor manufacturer. Control buttons on cover plate (can be activated or deactivated through AHnet protocol command). Low voltage. ISD 2.2" LCD Easy to read Interactive Setup Display to configure and diagnose the unit. Auto RS-422 addressing system that facilitates the address configuration by just pressing one button in an easy and convenient way. USB port for local firmware upgrade. Safety system that detects obstructions (causing unit to stop). Adjustable mechanical parameters through AHnet or ISD for calibration and adjustment of mechanics. Auto calibration mode for mechanical speeds and safety parameters. Adjustable parameters of brightness, contrast and backlight through RS-422 (AHnet protocol). External power supply with 4-Pin XLR4 connector.

### Main Features:

- Adjustable position from 0 to 70°
- Position memory
- Interactive Setup Display
- DVI-I and DVI-D video inputs
- HDCP licensed monitor manufacturer
- Maintenance free
- Energy saving design
- Safety system
- Serial control and remote diagnostics by AHnet
- AH-AMMC Auto Mechanical Movement Calibration



## 10.1. Dynamic1H 12”

AH12D1HGA	
<b>Display</b>	
Size	12.1” TFT Active Matrix
Resolution	1920 (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 0°C -- +40°C Storage -20°C -- +60°C
<b>Materials</b>	
Frame	Anodised aluminium
Glass	AR 2-side with an anti-reflective coating on the glass surface. Thickness: 3.0 ± 0.3 mm
Cover plate	Anodised aluminium
<b>Connectivity</b>	
Input signal	DVI-I (1 input) DVI-D (1 input) HDCP compliant
RJ45 CAT5 (with loop)	Addressable RS422 monitor control by AHnet protocol
GPI (SubD9)	Up/Down control
<b>Control</b>	
	RJ45, RS-422 (I/O)
	Addressing
	Termination switch
	GPI
	IR Remote control (monitor adjustments): 1/5
<b>Movements Control</b>	
User interface on monitor	(Up/Down)
Remote	RS-422 I/O/GPI
<b>Electrical</b>	
Low voltage (external power supply)	100-240Vac, 47/63Hz, 12Vdc
Power consumption	45W

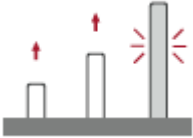
## 10.2. Dynamic1H 17"

AH17D1HGA	
<b>Display</b>	
Size	Full HD 17.3" TFT Active Matrix, widescreen. LED Backlight
Resolution	1920 (h) x 1080 (v)
Brightness	400 cd/m2
Contrast ratio	600:1
Pixel	0.1989 (h) x 0.1989 (v) mm
Viewing angle	60°/80° (u/d) 80°/ 80° (l/r)
Viewing area	381.888 (h) x 214.812 (v) mm
LED backlight lifespan	50,000 hrs
Response time	Tr 37 ms, Tf 3 ms
Temperature	Operating 0°C - +40°C
	Storage -20°C - +60°C
<b>Materials</b>	
Frame	Anodised aluminium
Glass	AR 2-side with an anti-reflective coating on the glass surface. Thickness: 3.0 ± 0.3 mm
Cover plate	Anodised aluminium
<b>Connectivity</b>	
Input signal	DVI-I (1 input) DVI-D (1 input) HDCP compliant
RJ45 CAT5 (with loop)	Addressable RS422 monitor control by AHnet protocol
GPI (SubD9)	Up/Down control
<b>Control</b>	
	RJ45, RS-422 (I/O)
	Addressing
	Termination switch
	GPI
	IR Remote control (monitor adjustments): 1/5
<b>Movements Control</b>	
User interface on monitor	(Up/Down)
Remote	RS-422 I/O/GPI
<b>Electrical</b>	
Low voltage (external power supply)	100-240Vac, 47/63Hz, 12Vdc
Power consumption	50W
<b>Mechanical</b>	
Monitor Dimensions:	
Upper cover plate	509 x 389 x 76 mm [20.04"x15.31"x2.99"]
Weight	17.8 kg / 39.24 lbs
<b>Shipping Dimensions</b>	
Weight	18.8 kg / 41.44 lbs
Shipping Box	559 x 469 x 222 mm

### 10.3. Dynamic1H 22"

AH22D1HGA	
<b>Display</b>	
Size	Full HD 21.5" TFT Active Matrix, widescreen. LED Backlight
Resolution	1920 (h) x 1080 (v)
Brightness	250 cd/m2
Contrast ratio	1000:1
Pixel	0.24975 (h) x 0.24975 (v) mm
Viewing angle	178° (v) 178° (v)
Viewing area	476.064 (h) x 267.786 (v) mm
LED backlight lifespan	30,000 hrs
Response time	T <sub>g-g</sub> 14ms
Temperature	Operating 0°C - +40°C
	Storage -20°C - +60°C
<b>Materials</b>	
Frame	Anodised aluminium
Glass	AR 2-side with an anti-reflective coating on the glass surface. Thickness: 3.0 ± 0.3 mm
Cover plate	Anodised aluminium
<b>Connectivity</b>	
Input signal	DVI-I (1 input) DVI-D (1 input) HDCP compliant
RJ45 CAT5 (with loop)	Addressable RS422 monitor control by AHnet protocol
GPI (SubD9)	Up/Down control
<b>Control</b>	
	RJ45, RS-422 (I/O)
	Addressing
	Termination switch
	GPI
	IR Remote control (monitor adjustments): 1/5
<b>Movements Control</b>	
User interface on monitor	(Up/Down)
Remote	RS-422 I/O/GPI
<b>Electrical</b>	
Low voltage (external power supply)	100-240Vac, 47/63Hz, 12Vdc
Power consumption	65W
<b>Mechanical</b>	
Monitor Dimensions:	
Upper cover plate	605 x 441 x 76 mm [23.82"x 17.36" x 2.99"]
Weight	20 kg / 44.09 lbs
<b>Shipping Dimensions</b>	
Weight	21 kg / 46.29 lbs
Shipping Box	649 x 512 x 212 mm

## 11. Dynamic1Twin



Retractable vertical solution made up of two monitors with anodised aluminium housing. Addressable RS-422 monitor control by AHnet open protocol allowing individual remote control, set up and diagnose of up to 30 units per line. GPI (contact close to control movements). 2 x DVI-I and DVI-D video inputs. HDCP licensed monitor manufacturer. Low voltage. ISD 2.2" LCD Easy to read Interactive Setup Display to configure and diagnose the unit. Auto RS-422 addressing system that facilitates the address configuration by just pressing one button in an easy and convenient way. Buttons on cover plate (can be activated or deactivated through AHnet protocol command). USB port for local firmware upgrade. Safety system that detects obstructions (causing unit to stop). Adjustable mechanical parameters through AHnet or ISD for calibration and adjustment of mechanics. Auto calibration mode for mechanical speeds and safety parameters. Adjustable parameters of brightness, contrast and backlight through RS-422 (AHnet protocol). External power supply with 4-Pin XLR4 connector.

### Main features:

- 2 motorised monitors placed back to back
- Passive cover plate
- 2 x DVI-I and DVI-D video inputs
- Interactive Setup Display
- HDCP licensed monitor manufacturer
- Maintenance free
- Energy saving design
- Safety system
- Serial control and remote diagnostics by AHnet

## 11.1. Dynamic1Twin 17"

AH17D1HDA2F	
<b>Display</b>	
Size	Full HD 17.3" TFT Active Matrix, widescreen. LED Backlight
Resolution	1920 (h) x 1080 (v)
Brightness	400 cd/m2
Contrast ratio	600:1
Pixel	0.1989 (h) x 0.1989 (v) mm
Viewing angle	60°/80° (u/d) 80°/ 80° (l/r)
Viewing area	381.888 (h) x 214.812 (v) mm
LED backlight lifespan	50,000 hrs
Response time	Tr 37 ms, Tf 3 ms
Temperature	Operating 0°C - +40°C
	Storage -20°C - +60°C
<b>Materials</b>	
Frame	Anodised aluminium
Cover plate	Stainless steel
<b>Connectivity</b>	
Input signal	DVI-I (1 input) DVI-D (1 input) HDCP compliant
RJ45 CAT6 (with loop)	Addressable RS422 monitor control by AHnet protocol
GPI (SubD9)	Up/Down control
<b>Control</b>	
	RJ45, RS-422 (I/O)
	Addressing
	Termination switch
	GPI
	IR Remote control (monitor adjustments): 1/5
<b>Movements Control</b>	
User interface on monitor	(Up/Down)
Remote	RS-422 I/O/GPI
<b>Electrical</b>	
Low voltage (external power supply)	100-240Vac, 47/63Hz, 12Vdc
Power consumption	80W

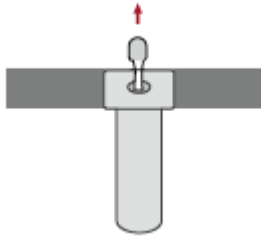
## 11.2. Dynamic1Twin 19"

AH19D116A2F	
<b>Display</b>	
Size	Full HD 18.5" TFT Active Matrix
Resolution	1920 (h) x 1080 (v)
Brightness	400 cd/m2
Contrast ratio	1500:1
Pixel	0.213 (h) x 0.213 (v) mm
Viewing angle	85°/85° (u/d) - 85°/85° (l/r)
Viewing area	408.96 (h) x 230.04 (v) mm
LED backlight lifespan	50.000 hrs
Response time	Tr + Tf = 35ms
Temperature	Operating 0°C -- +40°C Storage -20°C -- +60°C
<b>Materials</b>	
Frame	Anodised aluminium
Cover plate	Stainless steel
<b>Connectivity</b>	
Input signal	DVI-I (1 input) DVI-D (1 input) HDCP compliant
RJ45 CAT6 (with loop)	Addressable RS422 monitor control by AHnet protocol
GPI (SubD9)	Up/Down control
<b>Control</b>	
	RJ45, RS-422 (I/O)
	Addressing
	Termination switch
	GPI
	IR Remote control (monitor adjustments): 1/5
<b>Movements Control</b>	
User interface on monitor	(Up/Down)
Remote	RS-422 I/O/GPI
<b>Electrical</b>	
Low voltage (external power supply)	100-240Vac, 47/63Hz, 12Vdc
Power consumption	85W

### 11.3. Dynamic1Twin 22"

AH22D116A2F	
<b>Display</b>	
Size	Full HD 21.5" TFT Active Matrix, widescreen. LED Backlight
Resolution	1920 (h) x 1080 (v)
Brightness	250 cd/m2
Contrast ratio	1000:1
Pixel	0.24975 (h) x 0.24975 (v) mm
Viewing angle	178° (v) 178° (v)
Viewing area	476.064 (h) x 267.786 (v) mm
LED backlight lifespan	30,000 hrs
Response time	T <sub>g-g</sub> 14ms
Temperature	Operating 0°C - +40°C
	Storage -20°C - +60°C
<b>Materials</b>	
Frame	Anodised aluminium
Cover plate	Stainless steel
<b>Connectivity</b>	
Input signal	DVI-I (1 input) DVI-D (1 input) HDCP compliant
RJ45 CAT6 (with loop)	Addressable RS422 monitor control by AHnet protocol
GPI (SubD9)	Up/Down control
<b>Control</b>	
	RJ45, RS-422 (I/O)
	Addressing
	Termination switch
	GPI
	IR Remote control (monitor adjustments): 1/5
<b>Movements Control</b>	
User interface on monitor	(Up/Down)
Remote	RS-422 I/O/GPI
<b>Electrical</b>	
Low voltage (external power supply)	100-240Vac, 47/63Hz, 12Vdc
Power consumption	90W

## 12. DynamicTalk.



Professional retractable system for gooseneck microphones. Square brushed stainless steel cover plate with integrated rounded microphone opening cover lid. Includes a centring element to center the microphone during its rise which is movable between a position hidden below the cover and a top position projected through the cover. This adapted movement of the centring element avoids microphone damage or blockage when retracting. The centring element contains a programmable green and red LED ring for microphone status indication. Addressable RS-422 monitor control by AHnet open protocol allowing individual remote control, set up and diagnostic of up to 30 units per line. GPI (contact close to control movements). GPO (contact close to detect button activation). Low voltage. Auto RS-422 addressing system that facilitates the address configuration by just pressing one button in an easy and convenient way. One servo actuator. Buttons on cover plate (can be activated or deactivated through AHnet protocol command). USB port for local firmware upgrade. Safety system that detects obstructions (causing unit to stop). Adjustable mechanical parameters through AHnet or ISD for calibration and adjustment of mechanics. Auto calibration mode for mechanical speeds and safety parameters. External power supply with 4-Pin XLR4 connector. Wireless individual set up and diagnostics via app.

### Main Features:

- Compatible with gooseneck microphones
- Dynamic LED ring with green and red light
- Standard XLR-3pin connection
- Adjustable microphone length
- Maintenance free
- Safety system
- Available in 3 standard sizes: 400, 500 and 600mm for short, medium and large microphones
- Serial control and remote diagnostics by AHnet
- AHDynamicAirConnect wireless connection



## 12.1. DynamicTalk S

<b>AHDTL S</b>	
<b>Control</b>	
Up/Down control	Button on cover plate
	GPI contact close
	RS-422 (RJ45 CAT 5)
Microphone control	Button on cover plate
Customised function	Button on cover plate
GPI/O	LEDs, up/down and switch
<b>Electrical</b>	
External power supply	100-240 Vac, 50/60Hz, 12Vdc
Power consumption	10W
<b>Materials</b>	
Cover plate	Brushed stainless steel
<b>Mechanical</b>	
Dimensions	125 x 163 x 499 mm [4.92" x 6.42" x 19.65"]
Weight	3 Kg / 6.6 lbs
<b>Shipping Dimensions:</b>	
Weight	4 Kg / 8.8 lbs

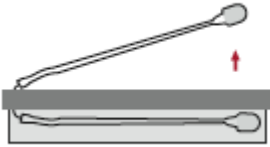
## 12.2. DynamicTalk M

<b>AHDTL M</b>	
<b>Control</b>	
Up/Down control	Button on cover plate
	GPI contact close
	RS-422 (RJ45 CAT 5)
Microphone control	Button on cover plate
Customised function	Button on cover plate
GPI/O	LEDs, up/down and switch
<b>Electrical</b>	
External power supply	100-240 Vac, 50/60Hz, 12Vdc
Power consumption	10W
<b>Materials</b>	
Cover plate	Brushed stainless steel
<b>Mechanical</b>	
Dimensions	125 x 163 x 599 mm [4.92" x 6.42" x 23.58"]
Weight	3.6 Kg / 7.9 lbs
<b>Shipping Dimensions:</b>	
Weight	4.6 Kg / 10.1 lbs

### 12.3. DynamicTalk L

<b>AHDTL L</b>	
<b>Control</b>	
Up/Down control	Button on cover plate
	GPI contact close
	RS-422 (RJ45 CAT 5)
Microphone control	Button on cover plate
Customised function	Button on cover plate
GPI/O	LEDs, up/down and switch
<b>Electrical</b>	
External power supply	100-240 Vac, 50/60Hz, 12Vdc
Power consumption	10W
<b>Materials</b>	
Cover plate	Brushed stainless steel
<b>Mechanical</b>	
Dimensions	125 x 163 x 699 mm [4.92" x 6.42" x 27.52"]
Weight	4.1 Kg / 9 lbs
<b>Shipping Dimensions:</b>	
Weight	5.1 Kg / 11.2 lbs

### 13. DynamicTalkH



Professional horizontal lift for gooseneck microphones. Brushed stainless steel cover plate with hidden button for opening. Optimised space under the table. Programmable green and red LED for microphone status indication. Designed to avoid microphone damage or blockage when retracting. This system allows the microphone to be bended while returning automatically to its original horizontal position. Addressable RS-422 monitor control by AHnet open protocol allowing individual remote control, set up and diagnose of up to 30 units per line. GPI (contact close to control movements). Low voltage. Auto RS-422 addressing system that facilitates the address configuration by just pressing one button in an easy and convenient way. Buttons on cover plate (can be activated or deactivated through AHnet protocol command). USB port for local firmware upgrade. Safety system that detects obstructions (causing unit to stop). Adjustable mechanical parameters through AHnet or ISD for calibration and adjustment of mechanics. Auto calibration mode for mechanical speeds and safety parameters. External power supply with 4-Pin XLR4 connector.

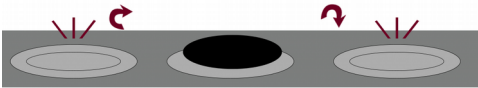
#### Main Features:

- Horizontal motorised lift for gooseneck microphones
- Adapts to 40cm length microphones
- Dynamic LED stripes with green and red light
- Low space required underneath the table (15cm)
- Vibration limitation
- Can be veneered
- Maintenance free
- Safety system
- Serial control and remote diagnostics by AHnet

### 13.1. DynamicTalkH

AHDTHS	
<b>Control</b>	
Up/Down control	GPI contact close
	RS-422 (RJ45 CAT 5)
Microphone control	Button on cover plate
GPI/O	LEDs, up/down and switch
<b>Electrical</b>	
External power supply	100-240 Vac, 50/60Hz, 12Vdc
Power consumption	20W
<b>Materials</b>	
Cover plate	Brushed stainless steel
<b>Mechanical</b>	
Dimensions	134 x 544 x 144 mm [5.2" x 21.4" x 5.6"]
Weight	9 Kg / 19.8 lbs
<b>Shipping Dimensions:</b>	
Weight	10 Kg / 22 lbs
Shipping Box	202 x 622 x 212 mm

## 14. DynamicTalkB



Motorised microphone lift for array microphones and similar. Brushed stainless steel or black matt finish cover plate. Flush mounted touch control sensor (up and down movements). Power over Ethernet. Ethernet AHnet commands. Integrated wireless set-up and diagnostics (AHDynamicAirConnect). USB port for local firmware upgrade. Safety system that detects obstructions (causing unit to stop). Adjustable mechanical parameters through AHnet. Wireless individual set up and diagnostic via app (AHDynamicAirConnect).

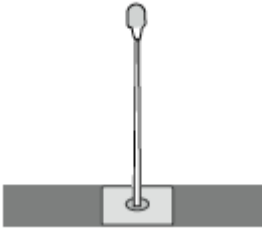
### Main features:

- Motorised lift for array microphones
- Touch control sensor on cover plate
- Ethernet control
- Maintenance free
- PoE
- Serial control and remote diagnostics by AHnet
- AHDynamicAirConnect: wireless interface set-up

### 14.1. DynamicTalkB

AHDBT	
<b>Materials</b>	
Housing	Brushed stainless steel or black matt finish
<b>Connectivity</b>	
Power over Ethernet	
Ethernet AHnet commands	
<b>Control</b>	
Up/Down control	Touch control sensor on cover plate
RJ45 CAT6	
Ethernet AHnet commands	
<b>Electrical</b>	
External power supply	100-240 Vac, 50/60Hz, PoE
Power consumption	30W
<b>Mechanical</b>	
<b>Dimensions</b>	
Upper cover plate	Ø 282 mm [11.09"]
Housing below the table	Ø 269,40 x 234,50 mm [10.61" x 9.23"]

## 15. MicConnect



Passive microphone surface mount for XLR microphones with integrated shock-absorbing supports, push to talk button and microphone status LED's. Squared stainless steel cover plate. Easy installation with no visible locking system. Integrated lid to cover the XLR connector when no microphone is installed. Little space required under the table.

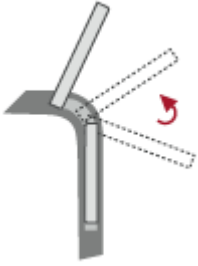
### Main features:

- Universal XLR-3Pin connection
- Push Button and LED controlled by third party conference system
- Easy to install
- Maintenance free

### 15.1. MicConnect

AHMC	
<b>Materials</b>	
Housing	Stainless steel
<b>Functionality</b>	
Push to talk button, push the button to lift the lid	
Microphone installed, push the button to activate/deactivate the system	
Main control depends on the audio unit	
<b>LEDs</b>	
Green and red LED is activated from the main audio unit. (5Vdc Voltage)	
<b>Connectivity</b>	
Microphone	Input: XLR3 pin standard microphone connector below the lid with integrated shock mount.
	Output: 3 pin terminal block, located on the lower part of the MicConnect
Control	6 pin terminal block, located on the lower part of the MicConnect
	Contact close push button
	5Vdc Led power indicators
<b>Mechanical</b>	
Dimensions	92 x 92 x 100 mm [3.62"x3.62"x3.93"]
Installation	Mounting surface thickness: from 16mm (0.63") to 65mm (2.56")

## 16. DynamicChairDisplay



Motorised retractable monitor to be integrated in armrests. Addressable RS-422 monitor control by AHnet open protocol allowing individual remote control, set up and diagnostic of up to 30 units per line. GPI (contact close to control movements). Low voltage. DVI-I and DVI-D video inputs. HDCP licensed monitor manufacturer. Safety system that detects obstructions (causing unit to stop). Adjustable mechanical parameters through AHnet. External power supply with Jack connector. Buttons on cover plate (can be activated or deactivated through AHnet protocol command).

### Main features:

- Motorised adjustable angle
- Manual rotation
- DVI-I and DVI-D video inputs
- HDCP licensed monitor manufacturer
- Maintenance free
- Safety system
- Serial control and remote diagnostics by AHnet



## 16.1. DynamicChairDisplay 15"

AH15DCD	
<b>Display</b>	
Size	Full HD 15.6" TFT Active Matrix
Resolution	1920 (h) x 1080 (v)
Brightness	400 cd/m2
Contrast ratio	1500:1
Pixel	0.17925 (h) x 0.17925 (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	70,000 hrs
Response time	Tr + Tf 35 ms
Temperature	Operating 0°C -- +40°C Storage -20°C -- +60°C
<b>Materials</b>	
Cabinet	Solid aluminium monitor housing in natural anodised finishing
<b>Connectivity</b>	
Input signal	DVI-I (1 input) DVI-D (1 input) HDCP compliant
RJ45 CAT6 (with loop)	Addressable RS422 monitor control by AHnet protocol
GPI (SubD9)	Up/Down control
<b>Control</b>	
	RJ45, RS-422 (I/O)
	Addressing
	Termination switch
	GPI
<b>Movements Control</b>	
User interface on monitor	(Up/Down)
Remote	RS-422 I/O/GPI
<b>Electrical</b>	
Low voltage (external power supply)	100-240Vac, 47/63Hz, 12Vdc
Power consumption	50W

## **17. DynamicShare Stand-alone**

Coated painted metal enclosure containing a software free share system that allows different monitors to share video sources. Allows the HDMI signal to be shared on up to 20 monitors in Full HD resolution. Control protocols for the monitors movements embedded in the HDMI signal.

### **Main features:**

- HDMI1, HDMI2 and HDMI3 signal inputs
- 1 HDMI signal output
- HDMI IN and HDMI OUT connectors creating a loop to share one signal
- HDMI signal shared on up to 20 monitors in Full HD resolution
- HDCP licensed manufacturer
- External control buttons: view and share
- Ethernet control
- Serial control and remote diagnostics by AHnet

### **Accessories for DynamicShare Stand-alone (AHDSSA):**

- AHBTEK. Kit that comprises one transmitter and one receiver to extend the HDMI connection above 5 meters from the first to the last unit in the loop
- AHSACB. Stand-alone control box for sharing and input selection
- AHSACBP. Stand-alone control box for sharing, input selection and priority