

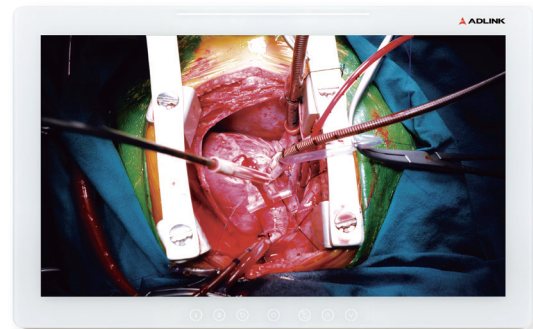
# ASM32U

## Ultra HD Surgical Monitor Series

### Features

- Medically certified product
- 31.5" Ultra HD display with optically bonded and anti-glare coated safety glass for unsurpassed visualization capabilities
- White glass cover lens without color shift
- Optional PCAP 10-point touchscreen
- Multi-signal and multi-format FPGA-based image processing with various wired and wireless control options
- 7 illuminated soft-touch function keys on the front glass and LED status bar
- Edge-to-edge glass surface and patent-pending, screwless design allows for easy and faster cleaning and disinfection procedures
- Fully sealed aluminium housing and fanless design with 360 degrees anti-bacterial treatment for patient and operator safety

Preliminary



Display	
TFT Panel	31.5"
Resolution	3840 x 2160
Colours	1.07 Billion
Pixel Pitch	0.181 x 0.181 mm
LCD Contrast Ratio	3000:1
Response Time	9.5 ms
LCD Luminance	400 cd/m <sup>2</sup>
Viewing Angle V/H	178°/178°
Colour Space	95% NTSC

Interfaces		
I/O	Scaler Board	2x HDMI 2.0
		1x HDMI 2.0 out
		2x 3G-SDI
		2x 3/6/12G-SDI
		1x 3/6/12G-SDI out
		1x calibration
	Monitor Management Board	1x USB 2.0 downlink socket A
		1x USB 2.0 uplink socket B
		1x RJ45 Ethernet
		1x 5V/1A
Optional	1x WiFi Webserver	

User Interface	7 illuminated touch buttons on the front glass with the following functions:
	On/Off
	Menu / Enter
	Up
	Down
	Exit
	Programmable 1
Programmable 2	

Settings	
Picture Mode	PIP
	PIP size (10%; 20%; 30%; 50%)
	Side-by-Side
Colour Space	Native
	BT2020
	sRGB
	Adobe RGB
Colour Temperature	3200 ... 9600
Gamma	1.8; 2.0; 2.2; 2.35; 2.6
Presets	4 + factory
Calibration	Autocalibration

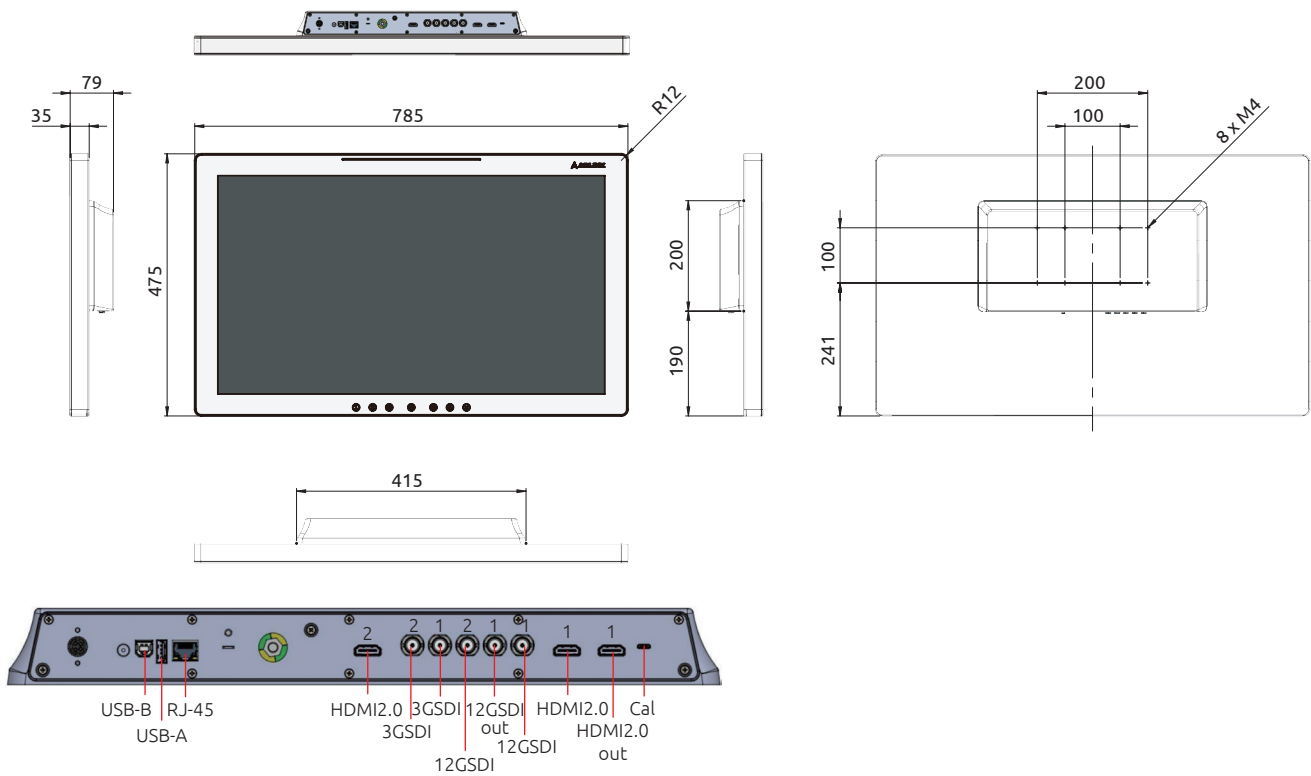
Electrical	
Power	24V DC (external medical-grade PSU)

Mechanical	
Dimensions (WxHxD)	see drawing on second page
Weight (approx.)	t.b.d.
Housing	Aluminium powder-coated, anti-bacterial Screwless design with IP 54 protection
Mounting	VESA 100 x 100 and 200 x 100

Environmental	
Operating	0°C to +35°C / 5% to 90% rel. humidity (non-condensing)
Storage	-10°C to +60°C / 5% to 90% rel. humidity (non-condensing)

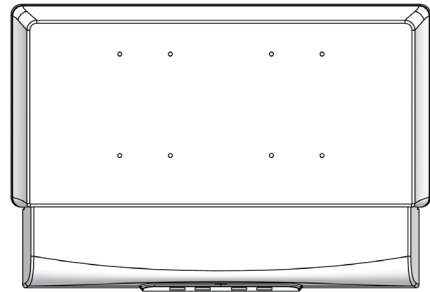
Certificates	
	IEC 60601-1:2012 & EN 60601-1:2013 (Safety ed. 3.1) IEC 60601-1-2:2014 & EN 60601-1-2:2015 (EMC 4th ed.)

# Dimensions



## Ordering Information

ASM24FHB	23.8"; 1920 x 1080; 625 cd/m <sup>2</sup> ; 1000:1; 178°/178°; Rec709, 3G-SDI, DVI-I; HDMI 1.2
ASM27FHB	27"; 1920 x 1080; 900 cd/m <sup>2</sup> ; 1000:1; 178°/178°; Rec709; 3G-SDI; DVI-I; HDMI 1.2
ASM27UHB	27"; 3840 x 2160; 800 cd/m <sup>2</sup> ; 1000:1; 178°/178°; BT2020; 12G-SDI; HDMI 2.0
ASM32U	31.5"; 3840 x 2160; 400 cd/m <sup>2</sup> ; 3000:1; 178°/178°; BT2020; 12G-SDI; HDMI 2.0
ASM32UHB	32"; 3840 x 2160; 700 cd/m <sup>2</sup> ; 1350:1; 178°/178°; BT2020; 12G-SDI; HDMI 2.0
ASM24FHB-T	23.8" PCAP; 1920 x 1080; 625 cd/m <sup>2</sup> ; 1000:1; 178°/178°; Rec709, 3G-SDI, DVI-I; HDMI 1.2
ASM27FHB-T	27" PCAP; 1920 x 1080; 900 cd/m <sup>2</sup> ; 1000:1; 178°/178°; Rec709; 3G-SDI; DVI-I; HDMI 1.2
ASM27UHB-T	27" PCAP; 3840 x 2160; 800 cd/m <sup>2</sup> ; 1000:1; 178°/178°; BT2020; 12G-SDI; HDMI 2.0
ASM32U-T	31.5" PCAP; 3840 x 2160; 400 cd/m <sup>2</sup> ; 3000:1; 178°/178°; BT2020; 12G-SDI; HDMI 2.0



Cable cover on Interface board