

SILENIO D 122

S122DM, S122DMT

DATASHEET

DS-EN-S122DM

GENERAL DEVICE DATA

Model description	SILENIO D 122
Item/model number	S122DM, S122DMT
Company name	Rein Medical GmbH
Manufacturer name	Rein Medical GmbH
Type	Video Monitor
Type description	Medical monitor for use in patient environments used for medical purposes, such as an operating room
Application areas	RIS, HIS, PACS, endoscopy, video management
Product dimensions (W x H x D)	326 x 521 x 56,5 mm
Visible display area (inside frame) (H x W)	292,2 mm x 476,64 mm
Mounting	Compatible with VESA 100 mounting system
IP protection type	IP X1 (front side IP 65)
Enclosure material	Antimicrobial plastic
Glass type	Protective glass
Anti-reflective coating	AG Gloss 100
Touch display	Optional capacitive multi-touch display (PCT)
Controls	COMMAND BAR touch control,
COMMAND BAR controls	Standby,Touch On/Off,Brightness +/-,
Enclosure colour	RAL 9003/Signal white(Special colours at customer request, see accompanying documentation)
Mean time between failures (MTBF)	40,000 hours
Warranty	2-year bring-in warranty
Package contents	Manual for SILENIOMounting hardware

POWER SUPPLY

Power supply	AC 100 – 240 V ±10% (50/60 Hz)
External power supply unit	External 24 V power supply unit (Delta MDS-090AAS24 B)

POWER CONSUMPTION

Maximum	60 W
Standby mode	1 VA
Switched off	0 VA

ENVIRONMENTAL CONDITIONS DURING OPERATION:

Temperature	0 to 40° C
Humidity	0 to 90% RH (non-condensing)

ENVIRONMENTAL CONDITIONS FOR STORAGE/TRANSPORT:

Temperature	-20 to +60° C
Humidity	0 to 90% RH (non-condensing)

DISPLAY PROPERTIES

Display size	54.5 cm (21.5")
Panel technology	Active Matrix LCD-TFT
Visible area (H x W)	476.64 x 268.11 mm
Pixel pitch (H x W)	0.24825 x 0.24825 mm
Viewing angle (V x H)	178°/178°
Maximum panel brightness	250 cd/m²
Contrast ratio	3000: 1
Response time	13 ms (typical), 5 ms (on/off)
Colour range	16.7 million
Colour depth	8 bits
Greyscales	256
Display norm (VESA)	Full HD (HD1080, 1080p)
Resolution (horizontal x vertical)	1920 x 1080
Aspect ratio	16:9
Backlight	LED
Backlight life	30,000 hours
Pixel defect class	Class II (ISO 9241-307)

VIDEO PROPERTIES

Signal inputs	VGA, DVI-D, 1 x DisplayPort, 1 x HDMI
Signal outputs	-
Video formats of the signal outputs	-
Functions	DICOM preset,BT709, BT1886

VIDEO CONTROLLER FIRMWARE

STANDARDS

Protection class in accordance with IEC 61140	Class II
EU Conformity	Medical device in accordance with CE (MDD 93/42/EEC), Class I
MDD classification	Class 1 according to 93/42/EEC Annex IX Article 12
UMDNS	Video monitor (16-603)n/a
GMDN	Monitor, VDU, colour (36612)n/a
US conformity	Class I product, Patient: not classified – no applied parts

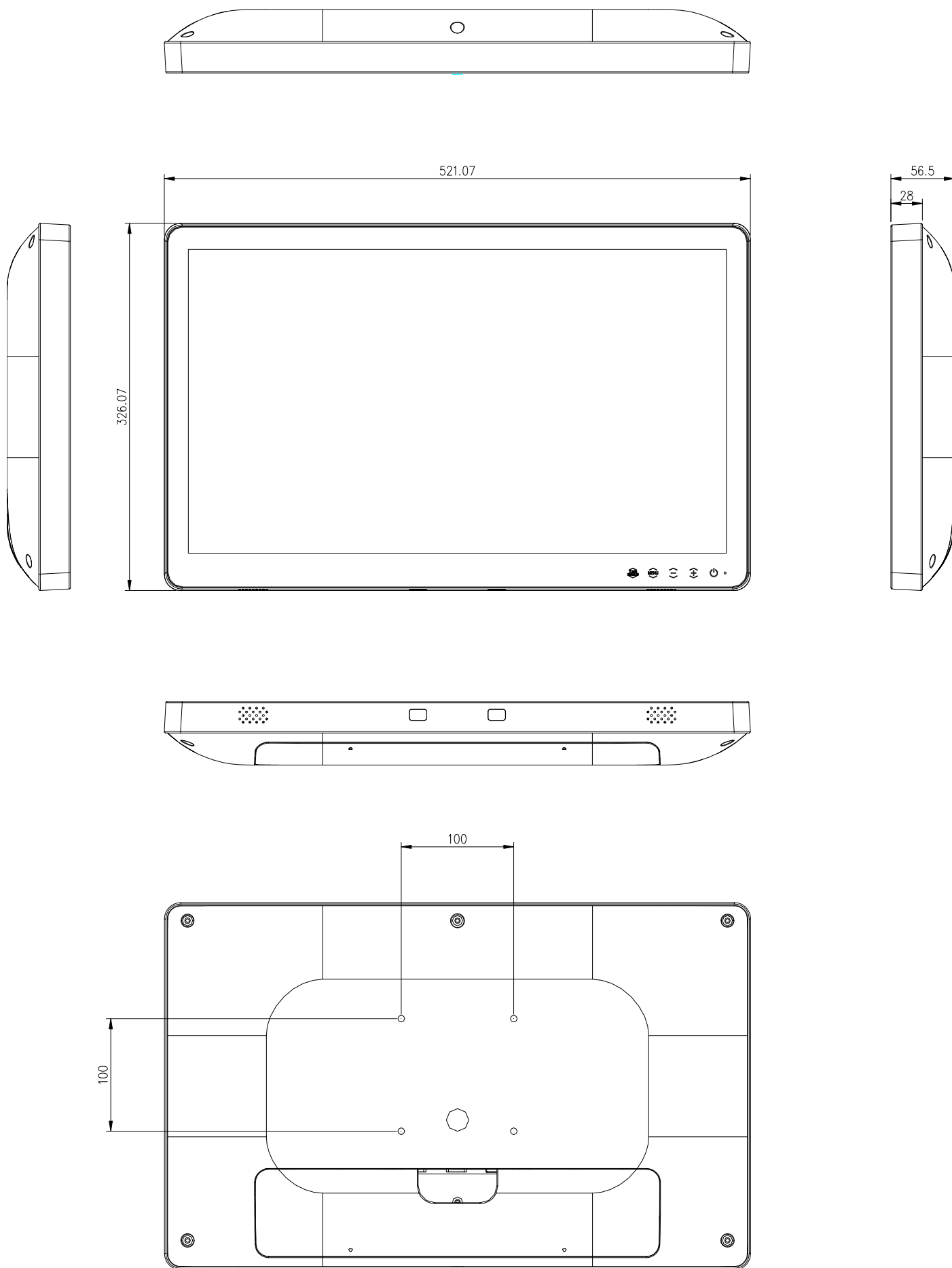
HYGIENIC PROPERTIES

Quality management	EN ISO 13485, ISO 9001
Product safety	EN 60601-1:2006+A1:2013
Electromagnetic compatibility	EN IEC 60601-1-2:2007
Immunity	EN 61000-4-2, EN 61000-4-3,EN 61000-4-4, EN 61000-4-5, EN 61000-4-6, EN 61000-4-11
Emission	EN 55011, IEC/CISPR 11:2009 modified, EN 61000-3-2, EN 61000-3-3

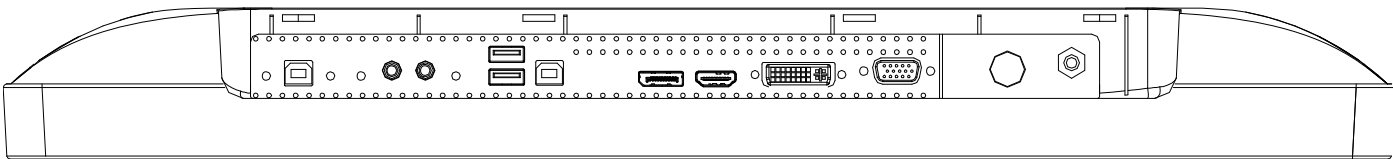
MEDICAL SPECIFICATIONS

Security Officer for medical devices in accordance with §31 of the German Act on Medical Devices (MPG)	+49 (0) 216 1 69 84 0 sibemp@reinmedical.com
Applied part in accordance with EN IEC 60601-1	Type: B
Treatment unit/system in accordance with EN IEC 60601-1	no
Device/system collects patient data in accordance with Federal Data Protection Law	no
Use in explosion-proof areas in accordance with the ATEX directive 2014/34/EU	no
STK/MTK in accordance with §6 of the Medical Devices Operator Ordinance (MPBetreibV)	no specific manufacturer specifications
Radiation protection requirements	none
Manufacturer induction obligation	none required, operating personnel are instructed by the medical technician and the user manual

DIMENSION DRAWING



INTERFACE



USB	Audio OUT	Audio IN	USB USB	USB	DP	HDMI	DVI	VGA	DC 24V IN	
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