

HERCULES Medical ENDO-VIS MONITOR

MO37 Series

Rev5/7

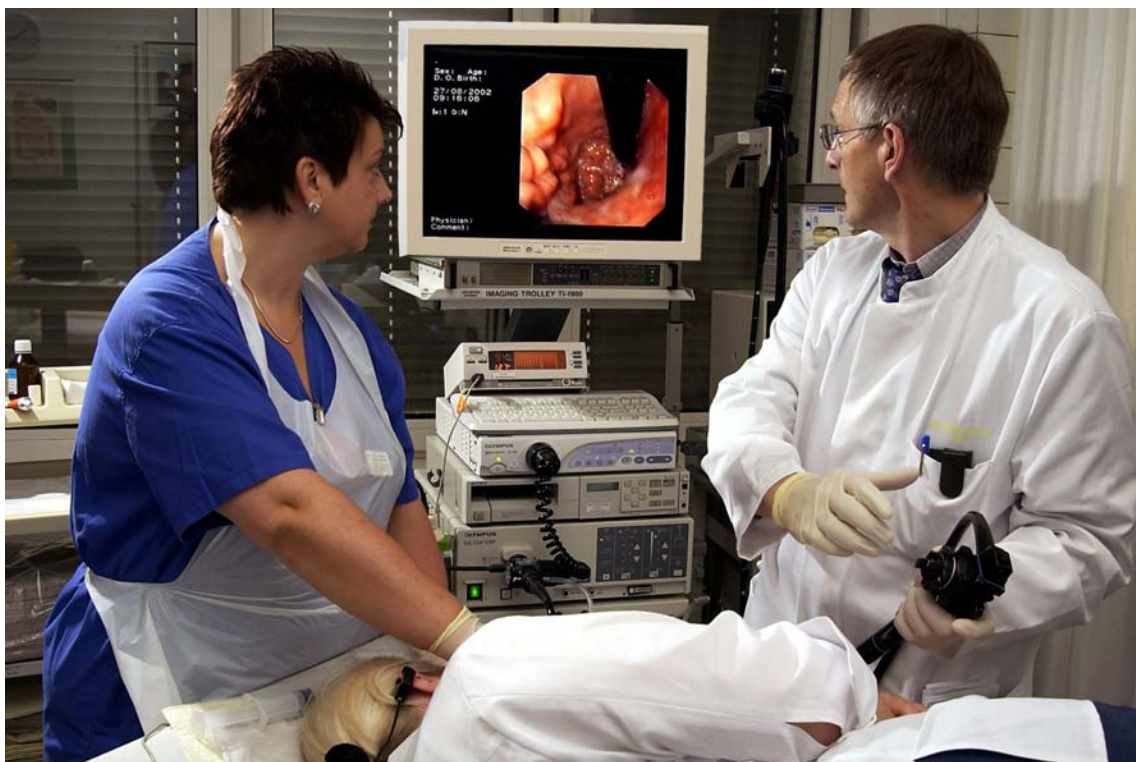
The **HERCULES Medical ENDO-VIS** is a high level medicine monitor, which is characterised by its completely closed housing (enclosure IP65).

Its special designed very thin aluminium housing lends to the characteristic to be both disinfectable and washable and it applies its needs e.g. in (Chirurgie, anaesthesia, radiology), air-lock areas and pure spaces. Over the VGA – Link the **HERCULES Medical ENDO-VIS** can be attached to both types of standard PC and the **HERCULES Medical PC**.

Contrast and Brightness can be adjusted on the **HERCULES Medical ENDO-VIS** by the integrated Remote Control Interface and the appropriate Software on the host PC.

Via the **remote control** all settings can be adjusted from distance. (Power, Menu, Video input, color brightness and screen adjust)

The **HERCULES Medical ENDO-VIS** corresponds to the **EN60601-1** and **EN60601-1-2** certification. It can be configured freely to customer requirement. All these characteristics show that the **HERCULES Medical ENDO-VIS** is the application as „Front end“ in the medical technology. As a special feature the streak-free application for the ENDOSKOPIE with the fast response panel is to be mentioned.



Technische Daten MO37 Serie



17" 19" 21"

General

	17"	19"	21"
resolution	1280x1024	1280x1024	1600x1200
max. Brightness (cd/m ²)	280	300	300
contrast ratio	1500:1	700:1	1000:1
colors	16,7 Mio.	16,7 Mio.	16,7 Mio.
viewing area (mm)	338 x 270	376 x 301	432 x 324
pixel size (mm)	0,264 x 0,264	0,294 x 0,294	0,270 x 0,270
viewing angel (H/V in degrees)	178 / 178	150 / 135	178 / 178
Response time (ms)	14	8	12
power supply	12V _{DC}	12V _{DC}	12V _{DC}
power consumption	tbd	sds	tbd
dimensions (mm)	tbd	sds	tbd
weight (kg)	tbd	sds	tbd
RoHS compliance	yes	yes	yes
protection class	IP65 (with correct mounted cable cover)	•	•
mounting	VESA100 standard	•	•

Inputs / outputs

		17"	19"	21"
vertical frequency (Hz, max.)	85 (optimum for TFT LCD's: 60)	•	•	•
Bandwith (MHz, max.)	165MHz	•	•	•
Composite	1x Cinch, 75Ω terminated	•	•	•
S-Video	DIN-4pol., 75Ω terminated	•	•	•
YPbPr	3x BNC, 75Ω terminated	-	•	•
RGBS	4x BNC, 75Ω terminated	-	•	•
VGA	15pin HD DSUB	•	•	•
DVI	DVI-I	•	•	•
RS232	3-pin. Typ Binder 711 for RCI	•	•	•
GPIO's	for foot switch	•	•	•
Infrared Interface	for Remote Control Unit	•	•	•

options

		17"	19"	21"
Touchpanel	analoge resistive touchpanel (4 wire) or capacitive touchpanel	○	○	-
Remote Control Unit	for OSD and DCF (Direct Control Functions)	○	○	○
feed switch	direct switch between the last two active inputs	•	•	•
S-Video output	DIN-4pol.	-	○	○

Technische Daten MO37 Serie



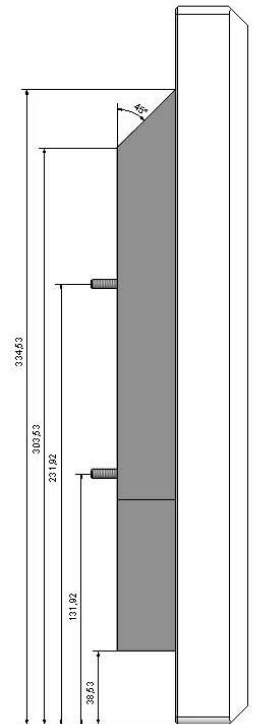
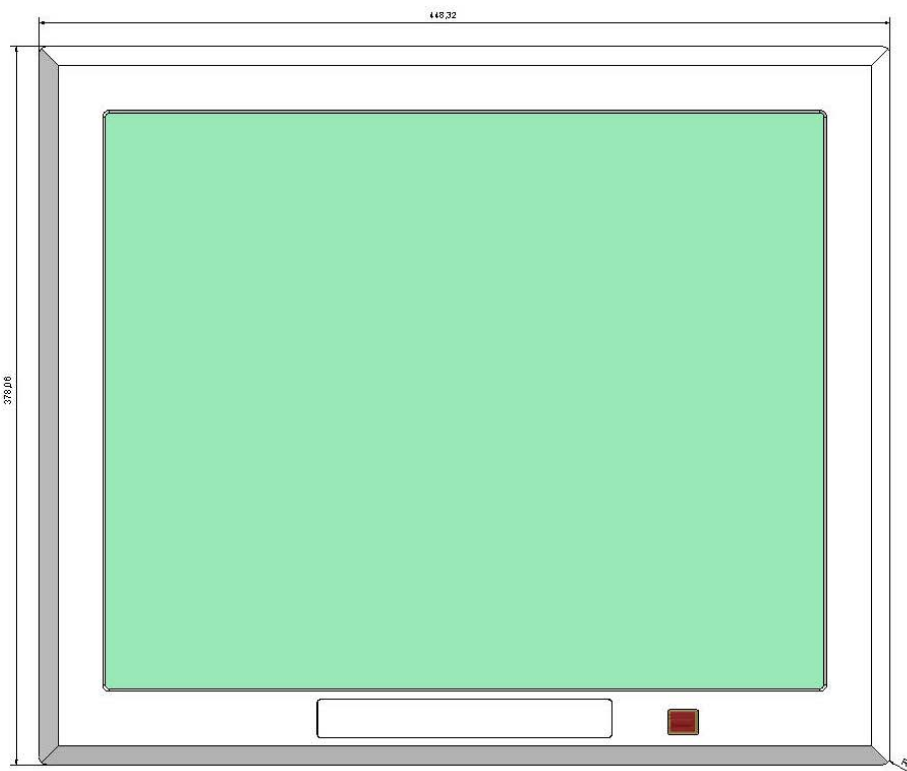
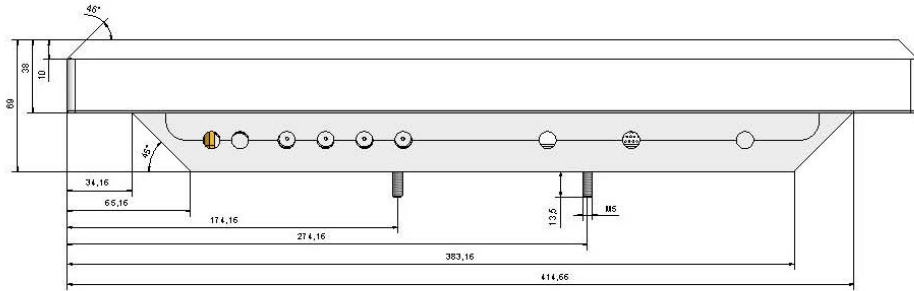
17" 19" 21"

OSD		17"	19"	21"
via 6 button frontfoil keyboard, remote control interface or remote control unit				
6 button frontfoil keyboard		•	•	•
Display	Brightness, Contrast, Hue, Saturation, Flesh-Tone, Black Level	•	•	•
Image	Scaling, Auto Adjust, Phase, Clock	•	•	•
Position	Zoom, Pan,	•	•	•
Color	Gamma Correction, Color Temperature, R, G, B	•	•	•
PiP Control	PiP Mode, PiP Size, PiP Position	•	•	•
Display	Brightness, Contrast, Hue, Saturation, Flesh-Tone	•	•	•
Menu Control	Vertical, Horizontal, Blend, Time Out, OSD Zoom	•	•	•
Factory Reset		•	•	•

DCF (Direct Control Functions)		17"	19"	21"
only via Remote Control Unit				
customized storage of settings	up to three setting sets (for different users)	○	○	○
R, G, B, contrast, brightness, hue, saturation	direct setting without OSD	○	○	○
PiP	direct source select for master and slave input, switch through	○	○	○
input selection	direct input select without OSD	○	○	○

Environment conditions		17"	19"	21"
temperature	operating	0° to +50°C	0° to +50°C	0° to +50°C
	non operating	-25° to +60°C	-25° to +60°C	-25° to +60°C
humidity (non condensing)	operating	20-90%	20-90%	20-90%
	non operating	5-90%	5-90%	5-90%

Sizes MO37 Series



All sizes in mm

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