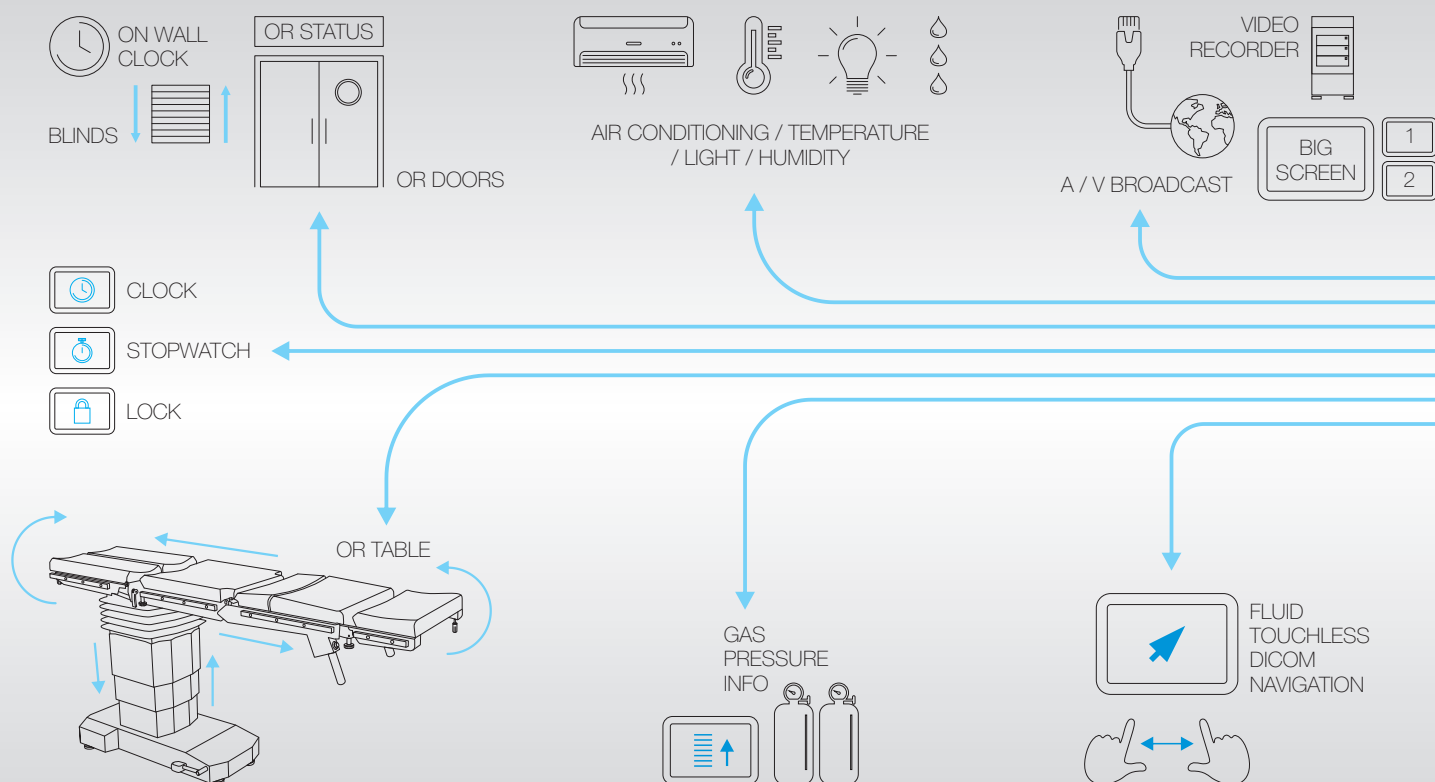




Touch screen theatre control panel

OPERA



Infimed Opera's main features

- Certified Class I medical device,
- Very easy to clean and maintain infection-free, integrated touch glass ensures flat surface with the panel, very high rated touch panel - IP65 (dust tight and water proof),
- Comes integrated with the OR wall panel or separate standalone mounted panel,
- Also available as a wireless handheld mobile device - IP67 certification for water and dust ingress, the ability to withstand extremely high temperatures, and drop tested to 1.2 meters according to MIL STD 810G standard. Long battery life, non-slip coating exterior, ensuring firm grip, even in rough working conditions, , wall mounted docking station with fast charging option,
- Meeting client's individual needs and expectations by customizing the setup to existing installation or the additional requirements,
- Large clock on main tab and stopwatch/timer option in the software (external on-wall digital clock available which can be connected to the system, has synchronization option - with the NTP server or using external GPS antenna),
- BMS integration feature,
- Displaying of OR environment status – actual temperature and humidity, fault and warnings,
- Medical Gas status display and alarm option (external Alarm speaker/buzzer available with mute feature).

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Ability to control :

- Operating tables (*Infimed's OTs – all parameters synchronized),
- Operating lights (*Infimed's OLs – all parameters synchronized),
- General lights (standard and DALI interface – dimming feature),
- Air conditioning [analog 0-10V domain (*4-20mA as an option) and digital domain (MODBUS) available],
- Cameras control – the ones in OLs plus room cameras,
- Audio-Video routing,
- Audio-Video streamers, recorders,
- Blinds,
- External Illuminated Information/Warning Signs,
- All parameters synchronized through the available devices,
- At least 19" touch screen panel, powerful, energy efficient hardware, fast Solid State Drive storage,
- Easy software upgrade feature,
- OperalIO class I medical inputs/outputs module designed from scratch for medical applications,
- 24 digital inputs and 24 digital outputs per single OperalIO base module (72 digital inputs and 72 outputs with Opera IO extender), 4 12-bits analog inputs and 4 12-bits analog outputs, 4 serial ports (RS-232 and RS-485), MODBUS RTU Slave protocol (MODBUS RTU Master optional),
- Safe, low latency IP based communication protocol with error checking,
- Standard depth of the back of the panel – maximum 120mm.

Technical parameters		OPERA panel
International Protection Rating		IP65
Power Source		100 - 240V 50/60Hz
Power Consumption		Typically +/-40W, Max. 90W (depending on configuration)
Processor		Intel N3160/N3710/J3160/i3-5010U/ i5-5250U or i7-6770HQ
LCD size		19"
Resolution		1366x768 @ 60Hz
Visible Screen Size		409.8 x 230.4 mm
Screen Format		16:9
Brightness		200 nits cd/m2 (type)
Contrast Ratio		700:1
Dynamic Contrast Ratio		20M:1
Colors		16.7 Million
Response		5 ms
Touch layer		Capacitive
Storage		Solid State Drive
User ports		Hermetic front USB port
Operating temperature		10°C ~ 40°C
Operating humidity		10% to 95% (non-condensing)
Storage temperature		-20°C ~ 60°C
Technical parameters		OPERA mobile device
International Protection Rating		IP67
Anti-shock / high temperature resistance		1.2 m (MIL STD 810G standard) / yes
Power Source		100 - 240V 50/60Hz
Power Consumption		Max. 10W
Display		8.0" (203.1mm)
Resolution (Main Display)		1280 x 800 (WXGA)
Screen type		TFT
Color Depth (Main Display)		16 Million
Wireless		802.11 a/b/g/n 2.4+5GHz
Dimension (HxWxD, mm)		213.1 x 126.2 x 9.75
Weight (g)		393
Constant usage time without charging		Up to 12
On-wall mounted docking / charging station		Yes (using special charging pins, fast charge feature, not using the micro-USB connectors)

IS-01

Technical parameters	OperalIO module
Power Source	85-264VAC 120-370VDC
Frequency range	47-64Hz
Power Consumption	Max. 15W
International Protection Rating	IP-X4
Digital Inputs	24 digital inputs built-in per single module (72 digital inputs with a single Op-eralIO extender)
Digital Outputs	24 Relay (volt free) digital outputs built-in per single module (72 digital outputs with a single OperalIO extender)
Analog Inputs	4 built-in 0-10V (4-20mA optional) analog inputs
Analog Inputs resolution	12bits
Analog Outputs	4 built-in 0-10V (4-20mA optional) analog outputs
Analog Outputs resolution	12bits
Communication protocols	Ethernet / 4xRS-232 / 1xRS-485 / WiFi (optional) / CAN / USB
MODBUS	RTU Slave (RTU Master optional)
DALI interface	2 ports
Operating temperature	10°C ~ 40°C
Operating humidity	10% to 95% (non-condensing)
Storage temperature	-20°C ~ 60°C
Type of offered products	Certified Class I Medical Device

* Actual parameters may vary depending on the selected setup or can be better than the ones specified in the above table as the new versions and revisions of the product are constantly developed by the manufacturer.

For special requirement of the customer it is possible to produce the product with changed technical parameters which do not diminish its safety.

The details given in this leaflet are correct at the time of going to press. The Company, however, reserves the right to improve the equipment shown.

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INFIMED is a young team, but with many years of experience in the field of medical equipment.

Our values are responsibility and honesty that determine the stability of the company and trust from customers. Our staff are passionate people whose knowledge and high skills ensure a continuous growth of the company.

We know the market, we listen and understand the needs of our customers, we focus on QUALITY, REASONABLE PRICE and FLEXIBILITY of our products. Our quality is confirmed by certificates ISO 9001 and ISO 13485.

We are sure that cooperation with our team and equipment delivered by us will meet your expectations.

