

WHO IT IS FOR

One system for the whole surgical department



Surgeons and anaesthetists

One-touch video and photos, monitor readings next to the video, a colleague's advice during the operation.



Training centres and university departments

Live streams for students and online seminars: several operating rooms and a lecture hall in one broadcast, with chat and questions.



Hospital management

Study archive on your own server, a log of every view, role-based access. Patient data never leaves the hospital.



Engineers and IT

The device connects to the server by itself, no ports to open. Installed Vidicap Touch 1.0 units get new features without replacement.

New in Vidicap

Vidicap Connect: ICU and ward monitors over HL7; data goes to the hospital's HIS and archive.

AI endoscopy: a neural network outlines polyps, bleeding and ulcers; the doctor decides. Doctors train it on vidicap.cloud.

Vidicap Emulator: Vidicap Touch 2.0 and a 3D operating room in the browser: try any module in advance.



Vidicap Assistant: a voice assistant on the OR ceiling: lights, cameras and recording by voice, no internet needed. A glowing ring shows that it is listening. In development.

~0.3 s

stream delay in the browser

2

video inputs: endoscope and camera

9

interface languages

HOW IT WORKS

Cloud or a server in the hospital

The same platform runs in two ways. The two can be linked with a single code.



Operating room

Vidicap Touch and the patient monitor (HL7)



Wards

Vidicap Connect: ICU and ward monitors



Hospital server optional

Study archive and patient vitals. Works offline; the patient's name never leaves the hospital. Servers of other buildings and branches connect to the main one, and only it links to the cloud.



vidicap.cloud

Live streams, guest links, online seminars



Viewers

A browser on a computer or phone, or Telegram: video, chat and voice. Sign-in with 2FA, a log of views.



vidicap.cloud



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The operating room, always close

Recording, live streams, patient vitals and a study archive in one Vidicap system.



Vidicap Touch 1.0 and 2.0

HL7 · Mindray

Vidicap Connect

cloud and hospital server

1 IN THE OPERATING ROOM

Vidicap Touch: everything on one touch screen

A video capture station for the operating room. Large, clear buttons and nothing superfluous.

Video and photos

Two SDI inputs, picture-in-picture. The recording survives a power cut.

Camera, screens and modules

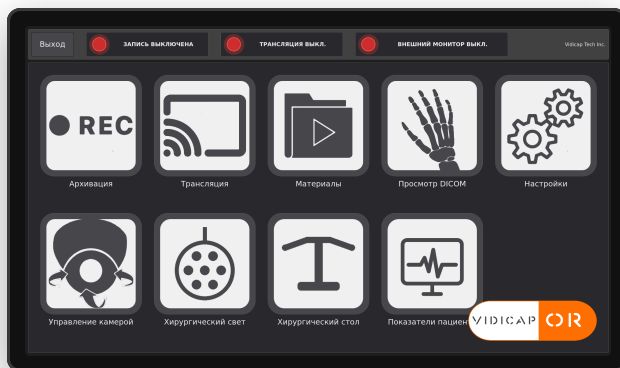
PTZ camera, large display, operation timer. Modules: light, table, FSN video matrices, DICOM, music, room engineering, Mindray camera and insufflator.

Live stream with voice

Viewers talk to the surgeon straight from the browser; the surgeon answers without leaving the table.

Patient folder

Video and photos by patient, USB, CD and the hospital archive. The doctor signs in with an RFID badge; their name goes into the study.

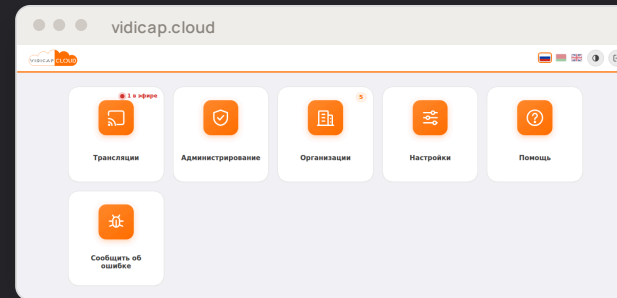


Vidicap Touch 1.0 and Vidicap Touch 2.0

Every new feature ships for both versions. Vidicap Touch 1.0 updates over the network: it is now faster and more reliable, and recordings survive a power cut.

2 LIVE STREAMS AND TEACHING

The operating room live in any browser



About 0.3 seconds of delay

Watch on a computer, phone or tablet. Nothing to install.

Joint broadcasts

Several operating rooms and a conference hall in one broadcast: a host, chat, "raise hand".

Guest links and Telegram

A time-limited link for an outside expert. Revoke it and the stream closes at once.

Access under control

Roles from organisation to guest, sign-in with a 2FA code or passkey, the viewer's name over the video.

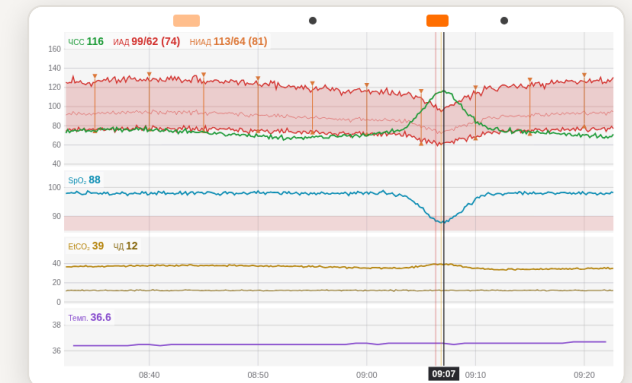
Broadcast from an ordinary computer

A lecture from a classroom, screen sharing or PACS images with a webcam and microphone. No software either.

3 PATIENT DATA

Monitor readings next to the video

Monitors and anaesthesia machines send data over HL7. Vidicap shows it on screen, and the archive keeps the trends with the recording.



- ✓ **Mindray:** VS series monitors, A9 and A8 anaesthesia machines, eGateway
- ✓ **Vidicap Connect:** ICU and ward monitors; if the HIS is down, data waits in a queue for up to 7 days
- ✓ HR, SpO2, blood pressure, EtCO2, temperature, ventilator settings and alarms
- ✓ A click on the chart opens the video at that moment
- ✓ Search studies by patient, doctor, date and tags
- ✓ The patient's name is stored only on the hospital server

Secure by default

The stream from Vidicap to the cloud is encrypted. A new point stays closed until its owner opens access. Every view and download is logged.