

# GP-449

## OR INTEGRATION SYSTEM DIGITAL NEGATOSCOPE & TELEMEDICINE SYSTEM

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Medical Computer Solutions



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The **GP-449 Inwall Series** by Artech is a state-of-the-art solution designed for capturing, recording, archiving, and broadcasting radiology images taken during surgeries, as well as pictures captured by medical cameras throughout the procedure. Engineered for optimal performance and versatility, the GP-449 is meticulously crafted to meet the evolving needs of healthcare professionals.

### KEY FEATURES

- **TFT LED Technology & 49" High-Resolution Display:** Experience unparalleled clarity with the GP-449's 49" high-resolution display, driven by TFT LED technology. This vibrant display ensures a detailed and immersive viewing experience, critical for medical procedures.
- **4K Video on a Single Channel:** The GP-449 delivers superior 4K image quality on a single channel, providing a clear and detailed viewing experience.
- **Optional 4-Channel Video Input:** Enhance operational flexibility with the optional 4-channel video input, allowing seamless integration with various medical cameras.
- **DICOM Calibration:** Ensure consistency and accuracy in medical imaging with DICOM calibration, adhering to the highest standards in digital imaging and communications in medicine.
- **Foldable Antibacterial Q Keyboard and Touchpad:** Designed with hygiene in mind, the foldable Q keyboard and touchpad come with an antibacterial coating, promoting a sterile surgical environment.
- **Modular Design:** The GP-449 is built on a modular architecture, offering a flexible and scalable solution tailored to specific operational requirements.
- **IP65 Front Panel Protection:** The front panel of the system, rated at IP65, is designed for easy disinfection, meeting stringent hygiene standards in healthcare settings.

### REGULATORY COMPLIANCE

- MDR Class I Certified
- IEC-6,6,1-1 EMC, IEC-6,6,1-1-2 LVD Compliant
- Approved for Compliance with Operating Room Environmental Conditions and Hygiene Standards

## TECHNICAL SPECIFICATIONS

### ORDER CODE

CPU	: i5-12th Generation
PSU	: AC220
Optical Drive	: DVD-RW
RAM	: R16
HDD	: 2TB HDD / SSD256
Wifi	: 802.11 b / g / AC
DICOM Viewer	: DICOM Preset

### SYSTEM

CPU	: Intel® Icore i5 12th Generation
Cache	: 12 mb
Memory	: 1 x DDR4 SoDIMM 16 GB 2400MHZ
Video RAM	: Intel® UHD 630 Graphics
Chipset	: Intel® H310
System Fan	: Slim Radial Fan

### INPUT/OUTPUT

Capture Card	: HDMI Analog svideo
Serial Port	: (1 x RS-232/422/485, 1 x RS-232)
USB Port	: 4 x USB 2.0 , 4 x USB 3.0
LAN	: 2 x LAN Intel® I217V Ethernet
Klavye	: Integrated Antibacterial Keyboard
Mouse	: Integrated Antibacterial Mouse
Optical Drive	: DVD-RW Optical Driver
Wireless LAN	: 802.11 b / g / AC
Audio	: Line in & out (AC'97 codec audio)
Expansion Slot	: PCIe / MiniPCIe

### DATA STORAGE

HDD Type	: Vibration Resistant Slot 2.5" (2 TB HDD)
SSD	: 256 GB

### FEED

Input	: 220VAC
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### LCD SCREEN

Type and Size	: 49" / 16:9 / DICOM Preset (Optional)
Max. Resolution	: 3840 x 2160
Pixel Pitch	: 0.53025mm x 0.053025mm
Max Color	: 1073.7 M
Brightness	: 700 cd 4K
Contrast Ratio	: 4000/1
Viewing Angle	: 178°(H),178°(V)
Back Light MTBF	: 50,000 Hours
Touch Screen	: N.A

### EXTRA VIDEO OUTPUT

Type	: 2xDP/1xVGA/HDMI
Max. Resolution	: VGA/HDMI(3840x2160) , DP(4096X2304)

### MECHANICAL & ENVIRONMENTAL FEATURES

Working Temp.	: 0 ~ 60°C
Storage Humidity	: 5 ~ 95% (Non-Condensing)
Case	: Heavy-Duty Metal Case
Front Frame	: Custom Built-in Glass
Weight	: Variable According to Screen Size
Dimensions	: Variable According to Screen Size
Mounting	: Built-in

