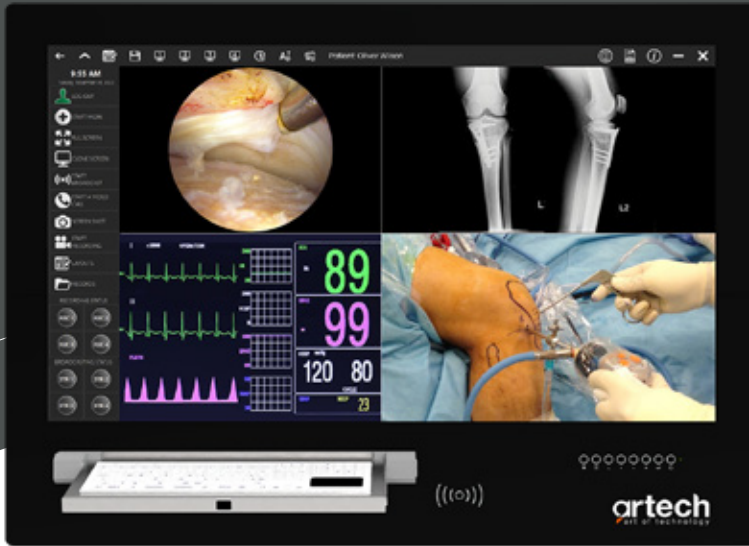# GP-446

OR INTEGRATION SYSTEM
DIGITAL NEGATOSCOPE &
TELEMEDICINE SYSTEM

artech
art of technology

Medical Computer Solutions

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The **GP-446 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-446 is meticulously crafted to meet the evolving needs of healthcare professionals.

KEY FEATURES

- **TFT LED Technology & 46" High-Resolution Display:** Experience unparalleled clarity with the GP-446's 46" high-resolution display, driven by TFT LED technology. This vibrant display ensures a detailed and immersive viewing experience, critical for medical procedures.
- **500CD-120Hz Scanning Speed and 10-Bit Color Depth:** The GP-446 boasts a 500CD-120Hz scanning speed and a 10-bit color depth, offering precise visualization and accuracy during surgical operations.
- **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-446 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

TEKNICAL SPECIFICATIONS

ORDER CODE

CPU	:	İ7 8700
PSU	:	AC220
Optical Drive	:	DVD-RW
RAM	:	R16
HDD	:	2TB HDD / SSD256
Wifi	:	802.11 b / g / AC
DICOM Viewer	:	DICOM Preset
RFID Reader	:	N.A
Barcode Reader	:	N.A

SYSTEM

CPU	:	Intel® Icore i7 8700
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)
Parallel Port	:	N.A.
USB Port	:	4 x USB 2.0 , 4 x USB 3.0
KB / MS	:	N.A.
LAN	:	2 x LAN Intel® I217V Ethernet
Keyboard	:	Integrated Antibacterial Turkish Keyboard
Keyboard	:	Integrated Antibacterial Turkish Keyboard
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

LCD SCREEN

Type and Size	:	46" / 16:9 / DICOM Preset (Optional)
Max. Resolution	:	1920 x 1080
Pixel Pitch	:	0.53025mm x 0.053025mm
Max Color	:	1073.7 M
Brightness	:	700 nits
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(1920x1080) , DP(4096X2304)

MECHANICAL & ENVIRONMENTAL FEATURES

Working Temp.	:	0~60℃
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

OUTPUT

Screen Outputs	:	2 x SDI In/Out + 1 x DP 2 x DVI 1 x VGA + S-Video In/Out + CVBS In/Out + CVBS In/Out YPbPr / XsRGB In/Out