ACCEL Surgical Monitor - M3201

Multi-Picture Functionality

ACCEL-M3201 supports multipicture functions for multitasking and simultaneous viewing of up to four (4) video sources (Quad multipicture mode) at 1080p models.
- Picture-in-Picture (PIP) , 4 x
- Picture-by-Picture (PBP) , 4 x
- Picture-Over-Picture (POP) , 4 x

Those models are available to increase productivity and performance that promise to bring the better solution for every user.

Utilization of DICOM-Part 14 GSDF Standard

ACCEL-M3201 supports the DICOM function, which can utilize the DICOM Part 14 GSDF Standard to provide user clearer image.

Ambient Light Sensor

ACCEL M3201 utilize the ambient light sensor to adjust the display’s brightness to a lower or higher level automatically. Thus allowing the user a consistent visual experience when viewing images on our monitors.

3D LUT and 1D LUT Color Correction

ACCEL-M3201 offers 3D look up table technology to provide clients the ability to correct non-linear color rendering errors common and get the clear image in the most LCD medical displays.

IR Remote Control

Infrared Remote Control system is a perfect fit for medical applications especially at operation room. Increases productivity and prevents cross-contamination.

Multi-Stream Transport

ACCEL-M3201 supports for Multi Stream Transport (MST), a unique feature which enables the source system to send multiple independent Video Signals over a single cable as high as DisplayPort 2.0 output or 1081x20 signalsACCEL-M3201 including multiple video inputs and outputs that enable multiple monitors to show images at the same time.

Friendly Installation- Wall Panel

1st Worldwide Operating Room Solution

ACCEL 32-inch 4K UHD Surgical Work Station & Monitor

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ACCEL Surgical Work Station

In today’s digital operating rooms, critical information and images such as patient vital signs, surgical and x-ray images must all be displayed simultaneously for quick and easy viewing by doctors and nurses. Leveraging the latest advances in display technology, the Onyx ACCEL Series offers large screen ultra-high definition 4K resolution displays featuring Intel® Xeon® and Core™ 10th generation and AMD Ryzen processors, capacitive multi-touch screens and multiple video inputs that improve display quality and work efficiency.

ACCEL Series Multi-Touch Surgical Work Station and Monitor

ACCEL-A3201
32-inch 4K 350/700-nit Ultra Slim Stationary Monitor

ACCEL-A3202
32-inch 4K 350-nit Ultra Slim Stationary Monitor

ACCEL-M3201
32-inch 4K Surgical Monitor

Intel HD Graphics or Discrete NVIDIA Graphics

AMT Radeon Vega Graphics

Capacitive Multi-Touch Screen

Thin and compact design with impact resistant screen

Capacitive Multi-Touch Screen

Fancies and versatility design, easy to clean

Intel Xeon / Core I7 Processor up to 3.7Ghz

AMD RYZEN EMBEDDED V1000 Processor up to 3.8GHz

Compatible with existing imaging systems

Antimicrobial Surface Coating

In addition to the display capabilities, the ACCEL Series includes a variety of features that enhance the surgical experience.

ACCEL-A3201

CPU Model | Base Clock (GHz) | Turbo Boost Multi-Threaded Core Clock (GHz) | Cores/Threads | L2 Cache | ECC Memory Support
---|---|---|---|---|---
Xeon E-2146M v3 | 2.8 | 3.7 | 4/8 | 8MB | Yes
Core i7-8620UQX | 2.8 | 3.5 | 4/8 | 8MB | No

AMC 4 Cores Ryzen V1000 SoC with Ultra-High GPU Performance up to 3.6 TFLOPS

ACCEL-A3202

CPU Model | Base Clock (GHz) | Turbo Boost Multi-Threaded Core Clock (GHz) | Cores/Threads | L2 Cache | ECC Memory Support
---|---|---|---|---|---
V1807B | 3.35 | 3.8 | 4/8 | 2MB | Yes
V1608B | 2.0 | 3.6 | 4/8 | 2MB | Yes

Anti-Bacterial Multi-Touch Screen – 10 years warranty

- By adding nano-silver material into SG2 for coating process, it helps to break the bacterial cell wall (30+) to destroy the bacteria.
- According to the ISO test report, antimicrobial rate for both Staphylococcus aureus and Escherichia coli are over 99.999%
- The coating film cured by high temperature improves the adhesion that can warrant the use for 10 years.

SSG Test Report for Anti-Bacterial Glass

High End Graphics Powered by Nvidia GeForce/Quadro or AMD Radeon Vega

- ACCEL-A3201: With dual-slot PCI Express[8x], supports up to 250W Nvidia/GeForce Quadro high-end graphics card.
- ACCEL-A3202: Built-in AMD Radeon Vega GPU with up to 11 Compute Units and up to 3.6 TFLOPS (Tera Floating Point Operations Per Second).

Up to Triple PCI Express Expansion Capability

- ACCEL-A3201 offers triple PCI Express slots: One PCI Express[16x], One PCI Express[8x], One PCI Express[4x].
- ACCEL-A3202 offers one PCI Express[8x] slot.