CureIQ™

VPC-240C
ICU / OR WORKSTATION

CURE VISION

Area of Usage

PATIENT ROOM

INTENSIVE CARE

POLYCLINIC

VPC-240C

CureIQ™ Medical-Grade Panel PC with Ergonomic Sit-Stand Arm
24" 4K Fanless · Intel Core i5 12th Gen · IP65 · Windows 11 · HIS / EMR / PACS

One complete workstation — panel PC, arm, keyboard tray, and cable management — designed exclusively for ICU and OR environments.

The CureIQ VPC-240C integrates a 24" 4K medical-grade panel PC with a gas-spring sit-stand wall arm, providing an ergonomic, space-efficient workstation for intensive care units and operating rooms. The fanless, IP65-rated design eliminates noise and airborne particulate contamination, while the flat antimicrobial housing and wipeable surfaces support strict infection control protocols. The VPC-240C serves as a fully capable HIS/EMR/PACS terminal with the processing power, storage, and connectivity demanded by modern clinical software — without occupying floor space.

PANEL PC

- 24" FHD 1920×1080 touch
- Intel Core i5 (12th Gen)
- 8 GB DDR4 32 GB max
- 128 / 256 GB SSD — hot-swap bay
- Intel HD / Iris Xe graphics
- Fanless passive cooling
- IP65 front · antimicrobial housing
- Windows 11 Enterprise 64-bit
- VESA 75×75 / 100×100 mm

CONNECTIVITY

- Gigabit Ethernet (dual LAN)
- Wi-Fi
- USB 3.0 × 6
- HDMI 2.0 / DisplayPort 4K
- RS-232/422/485 ×2
- 3.5 mm combo audio jack

ARM SYSTEM

- Sit-stand ≥40 cm range
- Gas-spring counterbalance
- Monitor tilt -5° / +35°
- Swivel ±90°
- Fold-up keyboard tray
- Internal cable management
- Steel / aluminium structure
- Safety factor >4×

CureLink™ SOFTWARE

- CureLink OR Application
- 4-ch live video + recording
- Per-channel H.264/H.265 stream
- HIS via HL7
- VNA / PACS via DICOM export
- Videoconferencing — built-in
- Management Panel (browser)

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CURE VISION

KEY FEATURES

Display & Computing

- 24" 4K projected capacitive touchscreen
- Glove-compatible touch — suitable for surgical gloves
- Intel Core i5 (12th Generation) processor
- 8 GB DDR4 RAM — upgradeable to 32 GB
- 128 GB SSD minimum (256 GB / higher options)
- Vibration-resistant, hot-swap removable SSD bay
- Intel HD / Iris Xe integrated graphics
- 1080p video playback, basic 3D, PACS image rendering

Fanless & Hygienic Design

- Fully fanless passive cooling — zero fan noise
- IP65 front bezel — protected against dust and water jets
- Flat, non-porous, fully wipeable front surface
- Antimicrobial housing — resists bacterial growth
- Resistant to alcohol, bleach wipes, quaternary ammonium
- All labels sealed or engraved — no wear from cleaning
- No open vents on front or sides — sealed enclosure
- Port covers flush with housing — hygienic, no crevices

Sit-Stand Mounting Arm (Optional)

- Gas-spring / counterbalance mechanism — smooth vertical movement
- Vertical adjustment range ≥40 cm (seated to standing, any user height)
- Monitor tilt: -5° to +35° · Swivel: ±90° · Pivot: 90° / 180°
- Adjustable tension — monitor holds position without drifting
- Monitor arm load capacity ≥10 kg
- Fold-up keyboard tray (90° vertical fold) — collapses against wall
- Keyboard tray: height-adjustable, tiltable, retaining lip
- Integrated mouse platform (ambidextrous / slide-out)
- Modular scanner/barcode reader holder mount — optional
- Wall track system — custom height, vertical repositioning
- Steel/aluminium construction — safety factor >4× load

Connectivity & I/O

- Gigabit Ethernet — dual LAN (hospital + medical device network)
- Wi-Fi 802.11ac/ax — WPA2/WPA3 enterprise security
- USB 3.0 Type-A ×6
- HDMI 2.0 and/or DisplayPort — 4K UHD 3840×2160@60Hz
- RS-232/422/485 serial ×2 — medical device integration
- 3.5 mm combo audio jack (line-out + mic-in)
- Flush rubber/plastic port covers on all I/O
- Medical-grade AC/DC adapter (100–240V AC input, IEC 60601-1)
- Internal arm cable routing — high-flex cables in bend zones
- Locking connectors to prevent accidental disconnection

CURE VISION

VPC-240C Wall-Mounted Integrated ICU / OR Workstation + CureLink™ Software Full Specifications

CureLink™ | OR Surgical Video Integration Software Platform — Runs natively on the VPC-240C

CureLink OR Application

The CureLink OR Application runs directly on the VPC-240C touchscreen, transforming it into the OR's primary image management, recording, and telemedicine interface. At procedure start, the circulating nurse selects the patient from the HIS worklist and activates up to 4 simultaneous recording channels across connected imaging sources. On operation end, all recordings and images are automatically exported to the VNA / PACS system as DICOM objects with full patient and study metadata — no manual upload required.

Software Features

- 4-ch simultaneous live video — any source to any window
- Per-channel recording REC 1–4 — patient-linked via HIS worklist
- 4 simultaneous H.264/H.265 network streams STR 1–4
- OSD overlays — up to 16 info layers per channel
- 10 user presets — save/recall complete routing layouts
- HIS: via HL7 — worklist, patient linking
- PACS / VNA: via DICOM — auto-export on op. end
- SSO via USB smart card / RFID reader
- CureLink Management Panel — browser, multi-room
- Videoconferencing — no standalone VC unit needed
- 17 user permission types — role-based access control
- Languages: EN · ES · TR · PL · FR

PANEL PC SPECIFICATIONS

DISPLAY	
Screen size	24" 4K widescreen
Touch technology	Projected capacitive multi-touch · glove-operable
Brightness	High brightness for clear viewing of medical data and images
Front protection	IP65-rated front bezel · flat, fully sealed, wipeable surface
Antimicrobial	Non-porous antimicrobial housing · disinfectant-resistant

POWER	
Power input	Medical-grade AC/DC adapter · input 100–240V AC 50/60 Hz
DC output	Low-voltage DC (12V or 24V) to panel PC
Certification	IEC 60601-1 certified medical PSU · proper isolation · low leakage current
Cable routing	High-flex power and network cables for continuous arm movement zones · locking connectors

COMPUTING	
Processor	Intel Core i5 (12th Generation) — high performance for HIS/PACS
Memory	8 GB DDR4 — upgradeable to 32 GB maximum
Storage	SSD — minimum 128 GB · 256 GB / higher options available
SSD bay	Vibration-resistant removable bay · hot-swap in the field
Graphics	Intel HD / Iris Xe integrated · 1080p video + basic 3D · 4K external output
Audio	3.5 mm combo jack (line-out + mic-in) · telemedicine ready
Cooling	Fully fanless passive cooling · no dust/pathogen dispersal · silent operation
Operating system	Windows 10/11 64-bit Enterprise · pre-loaded · HIS/EMR/PACS compatible

MOUNTING INTERFACE	
VESA standard	VESA 75×75 mm or 100×100 mm rear mount · secure attachment to sit-stand arm
Panel mount	Panel-mount (flush) installation supported · VESA required for this configuration

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CONNECTIVITY	
Network	Gigabit Ethernet · dual LAN (hospital + medical device network)
Wireless	Wi-Fi 802.11ac/ax (optional) · WPA2 / WPA3 enterprise security
USB	USB 3.0 Type-A ×4 minimum (×6 preferred) · USB Type-C · high-speed data transfer
Video output	HDMI 2.0 and/or DisplayPort · 4K UHD 3840×2160@60Hz · secondary / OR display
Serial	RS-232 / RS-422 / RS-485 ×2 ports · medical device integration
Port protection	Flush rubber / plastic covers on all I/O ports · dust and liquid ingress prevention

CURELINK™ OR SURGICAL VIDEO INTEGRATION PLATFORM	
Application	CureLink OR Application optaionally -installed, runs on VPC-240C
Video channels	4 simultaneous live video channels · inputs: HDMI, SDI, DVI-D, S-Video, Component, Analog, auto-detect
Multiview layouts	Configurable window layouts · drag-and-drop channel resize · any source to any window
Presets	10 user-configurable routing and layout presets · one-touch recall per procedure type
Routing	User friendly GUI for routing any connected video source to a video output
Recording	4-channel per-channel recording (REC 1–4) · GPU-accelerated · patient-linked via HIS worklist
Streaming	4 simultaneous H.264/H.265 network streams (STR 1–4) · accessible from any browser on hospital LAN
OSD overlays	Up to 16 information layers per channel · text, timestamp, logo, patient data, annotations
Zoom / Pan	Per-channel zoom and pan control · clinical region of interest focus
Reliability	Auto-restart on unexpected close · auto-start at Windows boot · continuous 24/7 clinical operation

HIS INTEGRATION	
Protocol	HL7 — bidirectional continuous connection to
Worklist	Patient/procedure worklist query from HIS at procedure start
Patient linking	All recordings, screenshots, and streams tagged to HIS procedure ID and patient data
Manual entry	Manual work item creation if procedure not found in HIS worklist
Access	SSO via USB smart card / RFID reader · hospital identity management integration

PACS INTEGRATION — PACS / VNA	
Protocol	DICOM — compliant encapsulation of video and images
Export trigger	Automatic DICOM export on 'End Operation' or manual export from Management Panel
Metadata	Full patient and study metadata from HIS embedded in each DICOM object
Configuration	DICOM conformance per PACS VNA statement · supplied by hospital IT

CURELINK MANAGEMENT PANEL	
Interface	Browser-based · no client software install · accessible from any networked device (PC, tablet)
Dashboard	Multi-room overview — all ORs simultaneously · active streams and calls highlighted
Room control	Start/stop broadcasts, initiate/end VC calls, start/stop recording remotely
Videoconferencing	Start video calls on any active broadcast channel · private or public invitee link · no standalone VC unit
User management	17 granular permission types — recording, streaming, VC, PACS export, room management, reporting
Operation log	HIS-linked operation records · viewable and exportable by authorised users
Access URL	https://[server]:8080/Home/login · no VPN required on hospital LAN
Languages	English · Spanish · Turkish · Polish · French

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HARDWARE PLATFORM COMPATIBILITY	
OS	Windows 11 64-bit Enterprise · runs EMR clients and PACS viewers alongside CureLink without interference
Extended display	HDMI 2.0 / DisplayPort · 4K UHD 3840×2160@60Hz · secondary OR display or GP-449 DICOM monitor
Authentication HW	USB ports for smart card / RFID reader · SSO login integration
Medical devices	RS-232/422/485 ×2 · USB · ventilators, anaesthesia machines, medical device data logging
Network	Dual Gigabit LAN + Wi-Fi · continuous HIS/PACS connectivity with failover
Scalability	Open standards · no proprietary lock-in · supports future RTLS, telemedicine, new integrations

ENVIRONMENTAL	
Operating temp.	0°C to 60°C · continuous load at ≤35°C ambient
Humidity	5%–90% relative humidity (non-condensing)
Operation	24/7 continuous hospital operation
Shock/vibration	SSD storage provides shock and vibration resistance for stationary wall-mounted use

CERTIFICATIONS	
Safety	IEC 60601-1 Medical electrical equipment — electrical safety
EMC	IEC 60601-1-2 Electromagnetic compatibility
Ingress	IP65 Front panel · IPX1-2 body and peripherals

MOUNTING ARM SPECIFICATIONS

SIT-STAND HEIGHT ADJUSTMENT	
Mechanism	Gas-spring / counterbalance · smooth vertical movement with minimal force
Vertical range	≥40 cm — covers seated (short user) to standing (tall user) positions
Motion	Ergonomic adjustment for monitor and keyboard tray simultaneously

ARTICULATING MONITOR ARM	
Tilt	-5° to +35° (or better) · minimise glare, optimise viewing angle
Swivel	±90° side-to-side · screen sharing with staff
Pivot / rotation	90° or 180° · landscape / portrait flexibility
Load capacity	≥10 kg · safely supports 24" panel PC weight (5–8 kg) with margin
Stability	Adjustable tension / torque — monitor holds position without drifting

OPTIONAL ACCESSORIES	
Scanner mount	Barcode / RFID reader holder bracket · modular, add/remove as needed · patient ID and medication scanning
Other	Medical device shelf options available · no external CPU holder required (panel PC integrated)

KEYBOARD TRAY	
Adjustment	Height-adjustable in tandem with monitor · ergonomic alignment maintained
Tilt	Tiltable for wrist comfort
Fold-up	90° vertical fold-up · collapses flat against wall when not in use
Mouse platform	Integrated ambidextrous mouse platform or slide-out tray
Keyboard safety	Retaining lip or strap to prevent keyboard sliding off during adjustment
Surface	Easy-clean, non-porous surface · accommodates hospital-grade keyboards

WALL TRACK & INSTALLATION	
Track system	Wall track for vertical repositioning of entire assembly at custom heights
Profile	Slim profile when folded · minimal wall protrusion · corridor-safe
Hardware	All mounting hardware included: wall plate, track, fasteners
Wall types	Suitable for concrete, reinforced, and standard hospital wall structures

WARRANTY & SUPPORT	
Hardware	Minimum 3-year warranty on all components · 5-year option available
On-site support	On-site repair preferred · advance next-business-day replacement acceptable
Technical line	24/7 technical support (phone / email / web) · clinical environment priority
Spare parts	Available for 5–7 years · gas spring kits, display modules, cables
SLA	SLA options available: e.g., critical repair within 48 hours
Maintenance	Minimal routine maintenance · fanless and solid-state — primarily cleaning
INSTALLATION & TRAINING	
Installation	Vendor responsibility: delivery, wall mounting, cable routing, functional testing
IT integration	Hospital domain join, IP/Wi-Fi config, hospital software install in coordination with IT dept.
Clinical staff	Height / tilt adjustment, keyboard fold, login, cleaning procedures
IT/Biomed	Maintenance, configuration, SSD replacement, network settings
Documentation	User manual, installation guide, cleaning instructions, CE / regulatory certificates
Post-install	Follow-up support period after installation to address early-use issues

CABLE MANAGEMENT	
Routing	Internal cable channels / clips along arm and track · no loose or dangling wires
Hygiene	Concealed cables eliminate snag hazards and improve wipe-down access
Service access	Cable access points for peripheral replacement or addition without full disassembly
MATERIALS & DURABILITY	
Structure	High-strength steel / aluminium · robust hinges and joints for daily clinical use
Finish	Medical-grade antimicrobial coating · non-porous · corrosion-resistant
Moving parts	All springs and joints tested for high cycle count · long service life
Locking	Secure position locking · no drifting or sudden movement
Safety factor	>4× rated load on all mounting points and fasteners
Safety design	No sharp edges · rounded ergonomic profile · spring parts enclosed (no pinch hazard)