

SAMSUNG

Samsung's New PCoIP Cloud Computing Displays

NC190 and NC240 PCoIP Monitors



Samsung's New VMware-Certified PCoIP Cloud Computing Displays

NC190/NC240

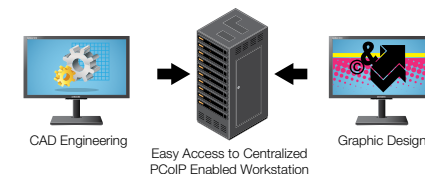


Replace your outdated, expensive workstations, PCs and thin clients. Samsung NC190 and NC240 PC-over-IP monitors are the cost-effective, reliable alternatives. Initial acquisition cost is lower and IT doesn't have to travel to remote locations for maintenance. Everyone will be working from the same version of software, and virus protection is centralized. And NC190/NC240 all-in-one integrated PCoIP zero clients make centralized computing truly viable, either locally via LAN or remotely via WAN.



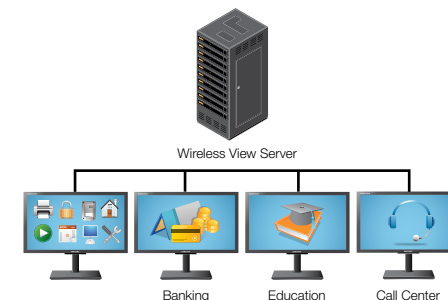
Access to Superior Graphics

Superior graphics are enabled by the PCoIP protocol, giving users access to full performance graphics from VMware View-enabled virtual machines. Full 3D performance is also available when using PCoIP-enabled workstation platforms or PCoIP host cards in standard PCs in conjunction with a GPU. And NC monitors can be connected to conventional monitors for dual-usage capability.



Real-Time Graphics

Through hardware decoding, a wide variety of content can be supported from video using any CODEC all the way to high performance 3D content when using a PCoIP-enabled workstation platform.



Security You Can Trust

Because software is installed, and important information is stored on centralized host platforms, the entire system is secured against viruses, information leaks, and internal and external attack.



Low Cost, Low Maintenance

Because all software and data is stored on the centralized host platform, time and money spent on managing the system is vastly reduced, enabling the creation of a network that is easy to install and easy to maintain.



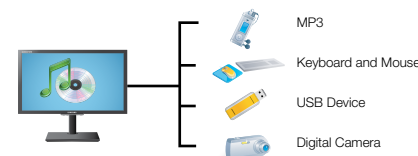
Enhanced OS Control

A variety of operating systems can be installed on the centralized host platform, giving individual clients access to a shared OS. This enhances the versatility of the system, while reducing the total cost of ownership.



Full USB Device Support

With 4 USB ports and full USB device support, users can access a wide range of USB peripheral devices directly through the monitor, enhancing connectivity while maintaining the security of the system.

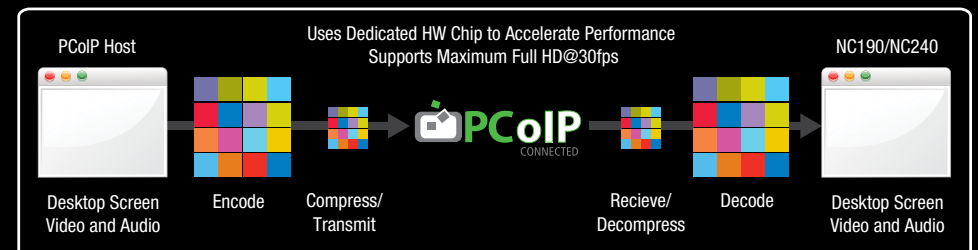
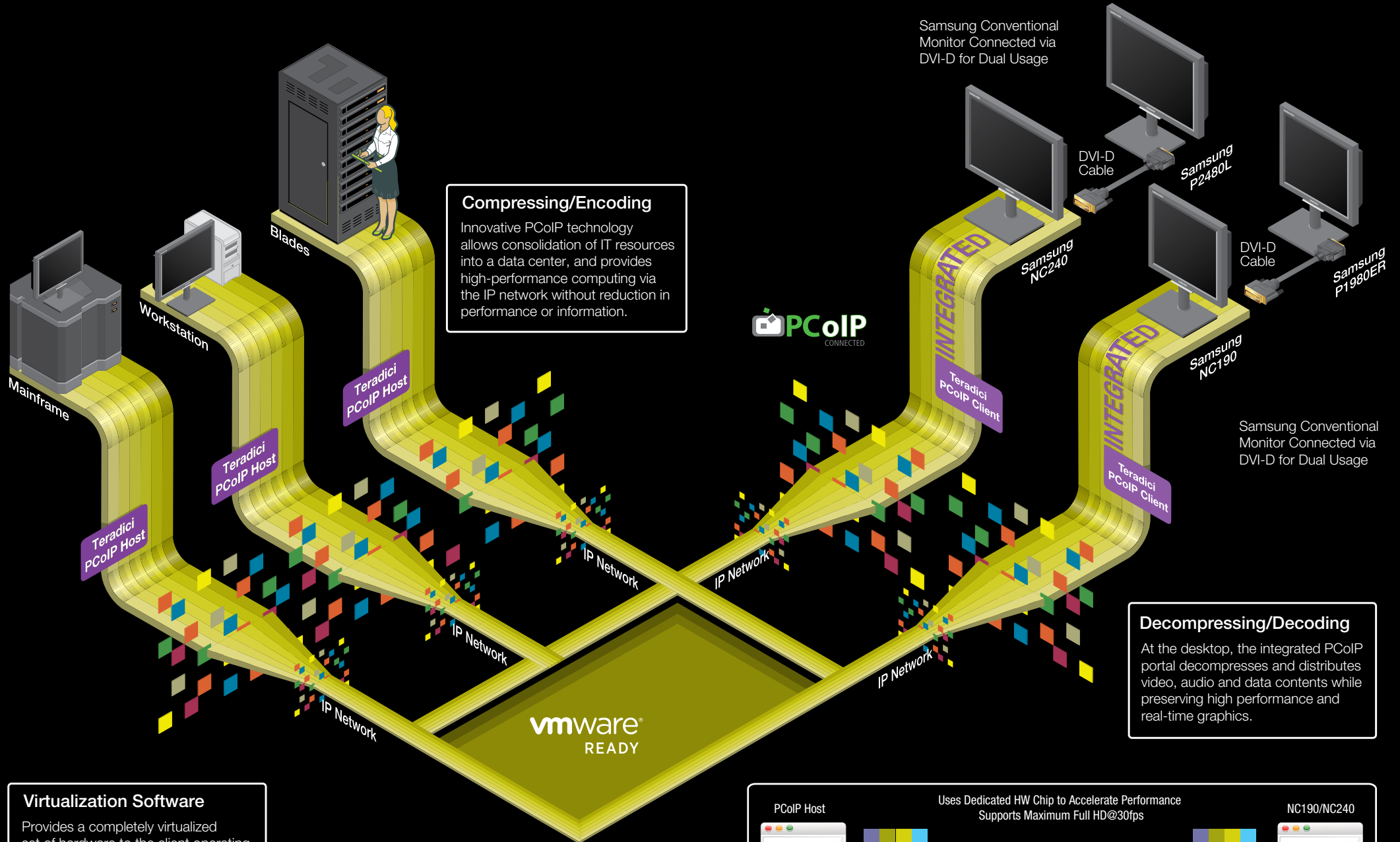


Compact Design

The compact design of the Samsung NC190/NC240 makes them simple and easy to use. Their 130mm height-adjustable stand, 90-degree pivoting screen, and optional speakers allow users to create an efficient and effective workstation.



How Samsung PCoIP Works.



VMware Ready™ is a comprehensive validation and co-branding program that shows customers solutions that have passed VMware-specified integration or interoperability criteria, and are technically ready for optimal use with VMware vSphere™ 4.5 and VMware View™ 4.5. Passing the extensive VMware-specified testing helps ensure that Samsung's NC190 and NC240 make the best use of VMware technology and are ready for deployment in customers' desktop virtualization environments.

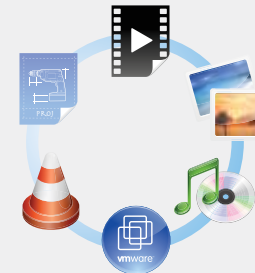


VMware-Certified PCoIP Monitor



A True Zero-Client

- No operating system
- No drivers
- No viruses, spyware
- No hard drive or fan



Uncompromised User Experience

- VMware View4 Certified
- Better space management
- Easy installation and maintenance
- Full frame-rate HD video
- Bi-directional stereo audio
- Ultra-fast response time



Exceptional Security

- No data leaves the data center
- No data or files ever reside on desktop
- No hacking, viruses or spyware to worry about
- All data transmission encrypted in hardware
- USB authentication prevents unauthorized devices

The Samsung PCoIP Advantage: Remote Desktop, PC and PCoIP Comparison

	Remote Desktop Protocol	Standard PC	Samsung PC-over-IP
OS Independent			■
3D Graphics and Media Rich Content		■	■
Bandwidth Saving Lossy Encoder	■		■
Lossless Image Transfer	■		■
USB Device Support		■	■
Audio Support	■		■
USB Device Authorization			■
Desktop Device Drivers	■		■

Who Can Benefit From PCoIP?



Architectural/Engineering/Construction



Architectural/Engineering/Construction: Specialized design engineering software companies, content is primarily 2D.

- Secure valuable data
- Provide suppliers and contractors with remote access to large datasets secured in data center
- Eliminate heat and noise, and free up space at the desk

CAD/CAM



CAD/CAM Computer-Aided Design/Manufacturing: Specialized design engineering software used in the design and manufacturing process of automobiles, aircraft, etc.

- Protect large, valuable CAD data
- Eliminate heat and noise, and free up space at the desk
- Offload corporate networks by containing large dataset transfers exclusively within the data center

Digital Content Creation



Digital Content Creation: Dual display graphic art and video production systems are often densely deployed and could benefit greatly from centralization.

- Keep large video and animation file sets in the server room and off the desktop
- Protect against pre-release piracy
- Enable free seating for creative collaboration

Digital Signage



Digital Signage: Digital signage applications for public displays of video, graphics and other informational data.

- Keep large video and animation file sets in the server room and off the desktop
- Protect against pre-release piracy
- Enable free seating for creative collaboration

Electronic Design Automation



EDA Electronic Design Automation: Design and production of electronic systems such as printed circuit boards.

- Ensure corporate security of intellectual property, protect EDA data files
- Allow users to access workstations running complex applications from various locations
- Leverage EDA workstation hosted from a datacenter to provide high-performance database access

Financial



Financial: Multi-display workstations on trader floors, limited real estate, expensive moves, security, and disaster recovery.

- Eliminate heat and noise in trading rooms, and free up space at the desk
- Enable free seating to simplify grouping traders for collaboration based on dynamic market conditions
- Secure customer data and simplify regulatory compliance
- Assist disaster recovery and business continuity

Knowledge Worker



Knowledge Worker: Uses standard office applications such as word processing, spreadsheets and presentation tools, uses web, and reads and writes emails.

- Reduced management cost
- Zero footprint, streamlined workspace
- Maximum end-point security
- Uncompromised user experience

Geological



Geological: Data from distant oil and gas exploration sites needs to be accessed remotely and available for cross-site collaboration.

- Content security
- Collaboration
- Heat/Noise
- Disaster recovery

Medical



Medical: Roaming, secure access to high-resolution computer tomography and other medical files strongly desired.

- Secure patient data in the data center
- Offer flexible, free seating capability for doctors, nurses and patient use
- Maintain high resolution, lossless viewing capability for medical images

Government



Government: Data security, imagery and full compatibility are key drivers in sectors such as military, defense, and command and control.

- Secure sensitive information and valuable research and development data
- Provide user authentication and peripheral (USB) authorization management
- Consolidate data center resources for cost-effective and reliable computing and management

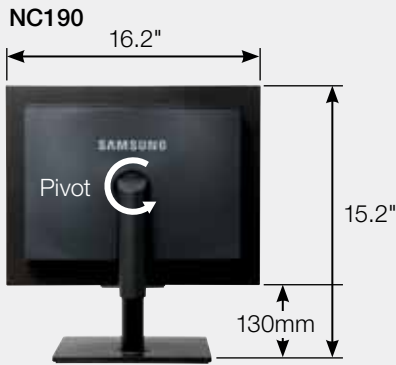
Scientific



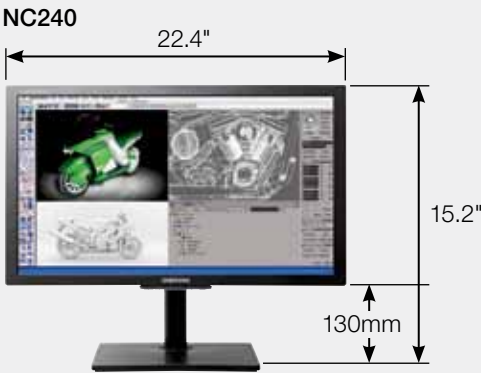
Scientific: Complex numerical calculations require powerful workstations, visualization requires good graphical performance.

- Protect valuable datasets
- Alleviate heat and noise of workstations at the desk
- Improve workstation utilization

Specifications	NC190	NC240
Size	19"	23.6"
Brightness (Typical)	250cd/m ²	300cd/m ²
Resolution	1280 x 1024	1920 x 1080
Contrast Ratio (Typical)	1,000:1	1,000:1
Viewing Angles H/V	160/160 (CR _≥ 10)	170/160 (CR _≥ 10)
Response Time (Typical)	5ms	5ms
System	PCoIP Processor: Tera1100 Memory XDR 64MB Operating System: None HD Audio: ALC883 Ethernet: Gigabit Switching Hub	PCoIP Processor: Tera1100 Memory XDR 128MB Operating System: None HD Audio: ALC883 Ethernet: Gigabit Switching Hub
Connectivity	VGA In (For use as PC Monitor) DVI Out (For Dual Video) 10/100/1000 RJ45 Ethernet Headphone Out Microphone In Line In USB 1.1 x 4 (2 Side, 2 Rear)	VGA In (For use as PC Monitor) DVI Out (For Dual Video) 10/100/1000 RJ45 Ethernet Headphone Out Microphone In Line In USB 1.1 x 4 (2 Side, 2 Rear)
Stand Type	Swivel/Pivot/Height Adjustable 130mm	Swivel/Pivot/Height Adjustable 130mm



130mm Height Adjustable Stand



130mm Height Adjustable Stand

samsung.com/monitor
Product Support: 1-800-SAMSUNG
1-866-SAM-4BIZ



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