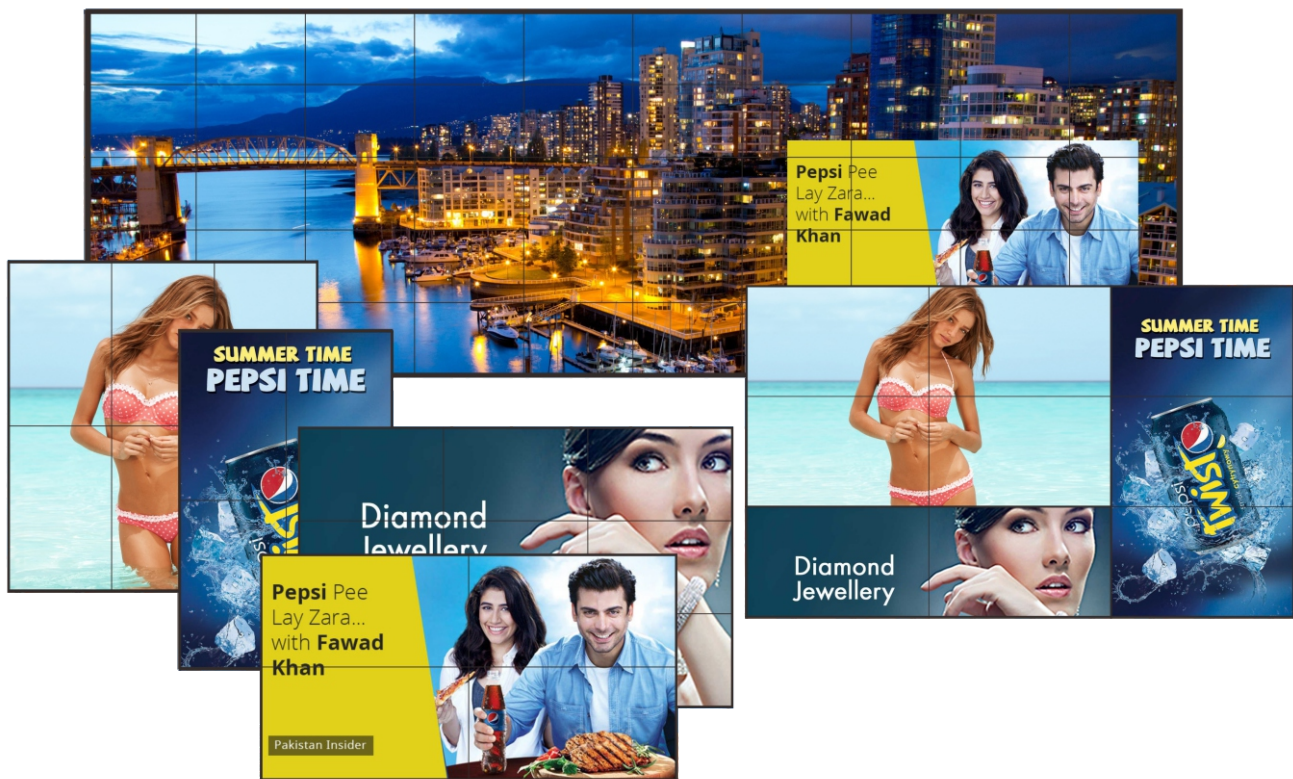


NP Distributed Display Wall System

Powerful Video and Image Processing Device





NP Distributed Display Wall System

NP Distributed video wall system is a multi-signal processing device designed for distributed large-screen display system. It can realize various wall display on different signal sources, support multi-layer overlay, roaming, arbitrary splicing, zoom in/out, base map online replacement, subtitle scrolling, web desktop screen capture, network camera decoding, audio and video switching output, etc. The device is designed with highly integrated functions, integrated audio and video capture processing, central control, mobile APP control and visualization control. It's a distributed integrated processing platform integrating image processing, network function, log management and equipment maintenance. The use of this system not only makes the whole monitoring system more concise, but also makes installation and debugging, maintenance easy, and has good compatibility and scalability. It can be widely used in various types: network command and dispatch center, network conference center and exhibition project.

FEATURES

Simple wiring

The signal is transmitted through single CAT6 network cable

Interconnection

In the system, all signals are interconnected, information is shared, user authority is hierarchically managed, LAN and WAN are connected to each other.

Hardware architecture

Pure hardware architecture, no CPU, no operating system, no virus risk, safe and stable.

KVM

Supports KVM direct control, combined with the large screen display to realize the real-time operation of remote computers

Ultra high 4K definition

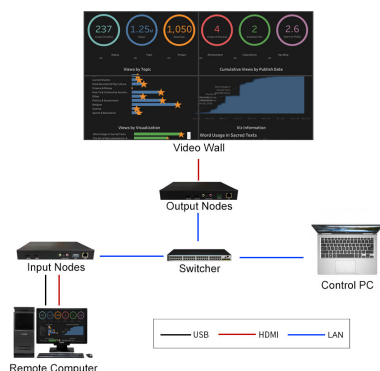
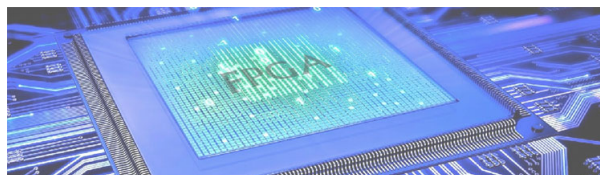
Ultra high 4k definition display, bright color, clear and beautiful text, can achieve 4K display.

NP Series

NP Distributed Display Wall System

Distributed Pure Hardware Architecture

Netpro adopts pure hardware architecture, full Gigabit network chip, data acquisition/transmission/processing/control in one, high stability, no risk of virus infection



KVM Function

Supports KVM direct control function, can be combined with the large screen display class to realize the real-time operation of the remote computers

Excellent Splice Processing Capability

60Hz frame-by-frame video real-time processing, ensuring that each video information has no frame loss, no jamming, freely zooming signals, displaying across multiple screens, roaming, superimposing, and displaying 16 layers of video signals simultaneously on a single screen.



Multiple Audio And Video Signal Access

Support multi-format signal access such as VGA/DVI/HDMI/CVBS/SDI/IP/Audio, support AUX, HDMI composite audio signal input and output



IPCamera



Server



NVR



Conference Terminal



Laptop



Media Player

Full Range of IPC Camera Access

Netpro adopts industry standard video codec algorithm and protocol, and can support standard streaming media protocols such as ONVIF and RTSP, directly accessing and decoding various IPCs such as hikvision, Dahua and Uniview. Supports pan/tilt control of the camera, supports signal preview, PC network screen capture, and suitable for multi-platform docking in large-scale systems, achieving multi-system unified management scheduling.

HIKVISION

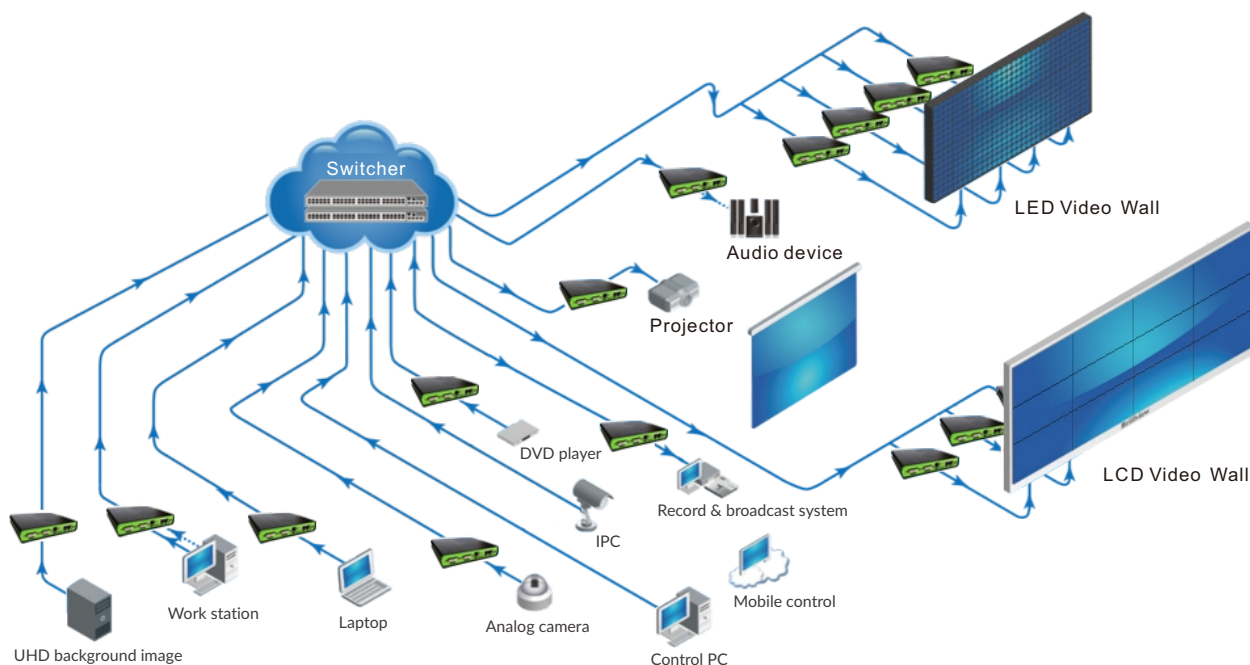
dahua
TECHNOLOGY

uniview

TOPSEE

ONVIF

DIAGRAM



SPECIFICATIONS

General		Input Node	
Video coding Algorithm	H.264	Interface	2xHDMI 1.3 or 1xHDMI 2.0
Input Resolution	Up to 3840x2160@60hz	Network	1x RJ45, 10M/100M/1000MB Adaptive Ethernet Port
Output Resolution	Up to 3840x2160@60hz	KVM	Optional
KVM	Optional	Power	DC 12V/2A
Max Scenes	255	Output Node	
Signal Preview	Support	Interface	2xHDMI 1.3 or 1xHDMI 2.0
Third Party Control	Support	Audio	1xAudio out
Video & Audio Sync.	Support	Network	1x RJ45, 1000MB Ethernet Port
Multi-layers Display	Up to 16 windows on single screen	485 Extension	Support
Network Screen Capture	Support	EDID	Support
IP Streaming Decoding	H.264/H.265, MPEG4, MPEG2, RTSP, Onvif	Power	DC 12V/2A
Background Image	Max resolution 7680x4320		
Multi-group Management	Support		
Max IP Camera integrated	2304		
Control System Backup	Support		
Mobile Visual Control	Andriod and iOS		
Data Import & Export	Support		
System Monitoring	Support		

NP Series