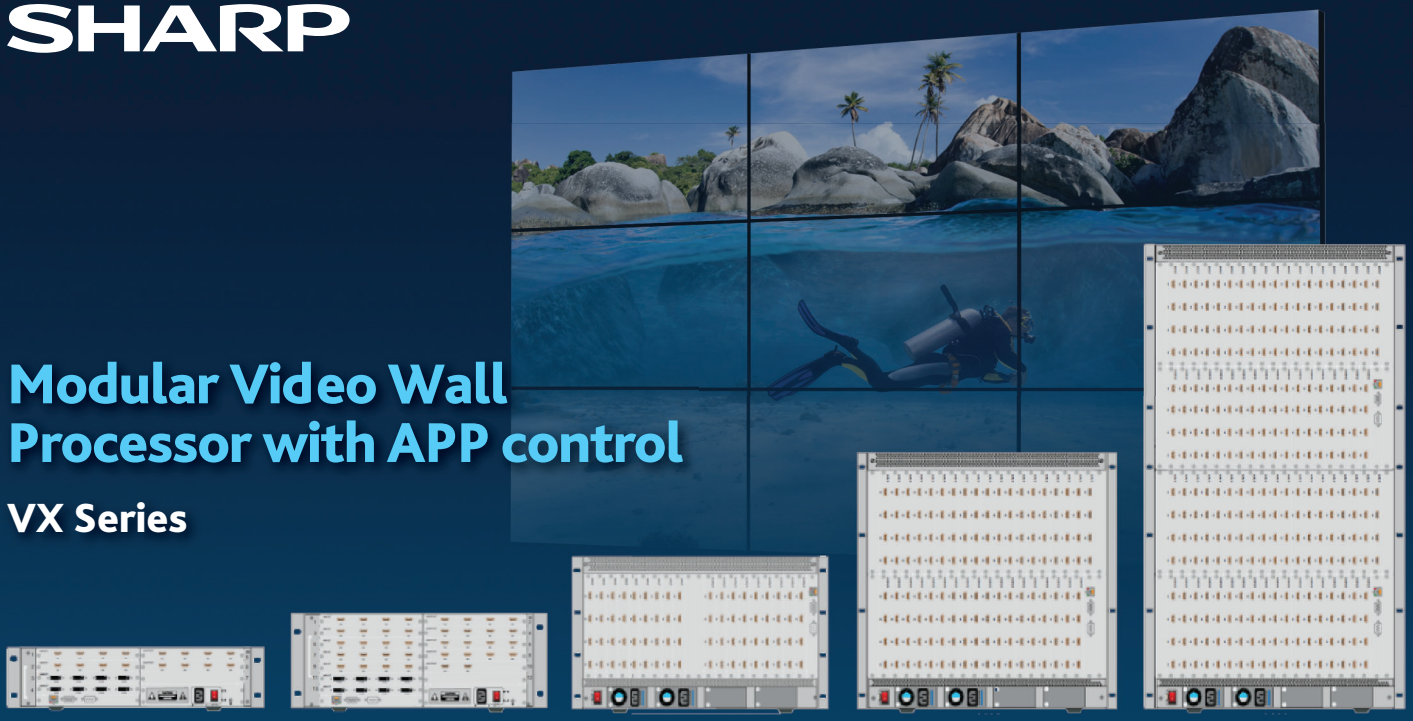
SHARP



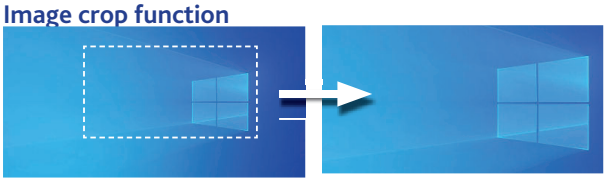
Modular Video Wall Processor with APP control

VX Series

VX Series is a high-performance video wall processing workstation with hardware-based architecture. It caters to fields such as education, research, government broadcasting, information publishing, exhibitions, and command & control center, security monitoring, etc. VX-Series processor adopts highly advanced image processing technologies such as high-definition video signal collecting, real-time and high-resolution digital image processing.

Its Crosspoint switch technology along with high-speed FPGA architecture ensures the real-time processing of all input signals and the consistency of the data. This further helps to avoid image delay, discretization, frame loss, which guarantee real-time and high-quality video display.

Image crop function



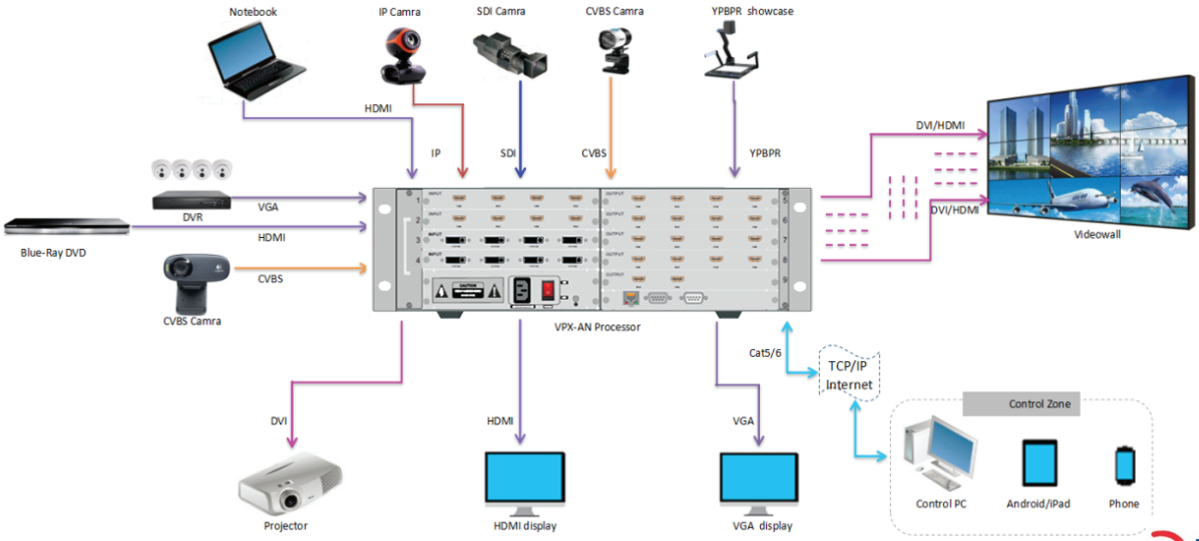
Key Features

- Hardware-based architecture with modular chassis
- Supports multi windows
- Supports PIP, cross-screen, and Cropping.
- Supports variety of I/O interfaces
- Supports built-in app control
- Supports built-in multi user access
- Supports built-in different user rights
- Supports scrolling text & HD background image with optional function card
- Supports redundant power supply with optional redundant power supply

Advanced image process

Picture In Picture / Picture On Picture

Connection Diagram



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Specifications

Input cards

4-port DVI-I input card (24+5 DVI-I)

DVI1.0, HDCP1.3, HDMI1.3,

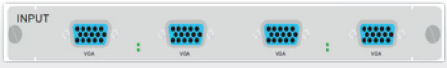
Signal Crop and OSD,1920x1200@60Hz

4-port HDMI input card (HDMI Type A)

HDMI 1.3, HDCP 1.3

Signal Crop and OSD,1920x1200@60Hz

4-port VGA input card(D-Sub 15-PIN)



RGBHV, RGBS, RGsB, RsGsBs

Signal Crop and OSD,1920x1200@60Hz

4-port CVBS input card(BNC)

Compatible with NTSC3.58, NTSC4.42, PAL, SECAM

Signal Crop and OSD, 480i,576i resolution

4-port YPBPR input(RCA X3)

Supports EIA-770.2a protocol

Signal Crop, OSD 480i, 576i,480p, 576p, 720p,1080i,1080p

2 DVI+2VGA input card

Supports DVI and VGA protocol

Signal crop and OSD, 1920x1200@60Hz resolution

2 HDMI + 2 VGA input card (24+5 DVI-I and D-Sub 15)

Supports HDMI and VGA protocol

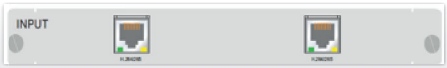
Signal crop and OSD, 1920x1200@60Hz resolution

4-port SDI input card with 4 SDI loop out (BNC)

Supports SMPTE424M,SMPTE292M,SMPTE259M

Supports SD-SDI, HD-SDI, 3G-SDI, 1080p resolution

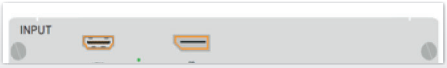
2-port IP input card(RJ45)



Supports H.264, H.265, MPEG-4 format

1-port with one 4K, four 1080P, nine 720P, Sixten D1

1-port 4K HDMI/DP input card (Type A)



Supports HDMI1.4 / DP1.2

Supports maximum resolution 3840 x 2160@30hz

Output cards

4-port HDMI LCD output card

4-port HDMI LCD output card (Type A)

Suppports HDMI1.3, HDCP1.3 and compatible with DVI1.0

4-port DVI LCD output card

4-port DVI LCD output card (DVI-I)

Suppports DVI1.0, HDCP1.3 and compatible with HDMI1.3

4-port VGA LCD output card

4-port VGA LCD output card(D-sub)

Suppports RGBHV, RGBS, RGsB, RsGsBs

4-port HDMI LED output card

4-port HDMI LED output card(Type A)

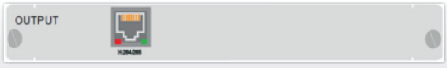
Suppports HDMI1.3, HDCP1.3 and compatible with DVI1.0

4-port DVI LED output card

4-port DVI LED output card(DVI-I)

Suppports DVI1.0, HDCP1.3 and compatible with HDMI1.3

1-port RJ45 preview card



1-port RJ45 preview card

Support to plug multiple preview cards

1-port RJ45 + 2-port RS232

1-port RJ45 port

Supports scrolling text and background image function

Chassis Size	Input slots number	Output slots number	Control	Dimension(cm)	Weight (kg)	Power Supply	Working Humidity	Temperature	Storage
4U	8(up to 32)	5(up to 18)	RS232, LAN (UDP)	41 x 31 x 17.8	15	100VAC–240VAC 50/60Hz	10%-90%	-10°C - 50°C	-20°C - 75°C
6.5U	9(up to 36)	9(up to 36)		41 x 31 x 28.9	18				
11U	23(up to 92)	18(up to 72)		41 x 31 x 48.9	35				

SHARP

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