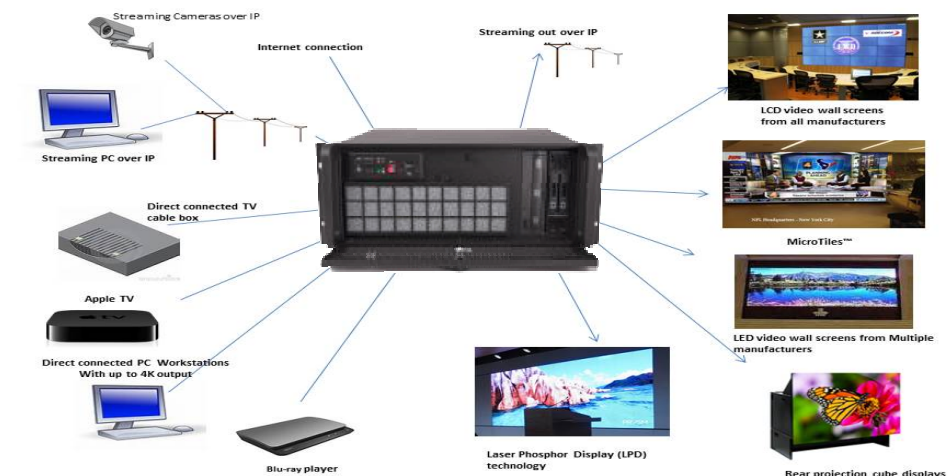


WC5000BD / BD-11 & WC2500 Series Advanced Technology Video Wall Processors



- **Full Featured, Easy to Use and Cost Effective Video Wall Solutions.**
- **Powerful, Reliable, Scalable** processors for all video wall applications
- **All Input Captures Available**, DVI,HDMI, Display Port, SDI,HD-SDI,3G-SDI,VGA
- **4K Capture** - Display Port 1.2 capture at 60Hz in 30Hz out (**WC2500 and WC5000BD-11**)
- **H.264 Streaming** - Capture IP Addressable cameras and remote workstations directly on the processor or optional cards.
- **MultiPixel Technology** - ICS' latest technology supports multiple video walls of various resolutions simultaneously through a single processor.
- **HDCP Compliant** - Supports direct connected TV cable boxes, Apple TV and Blu-ray players.



Network Connected Inputs:

- Video H.264 camera capture over IP
 - * Dedicated Decoding card with Dual RJ45 Ethernet ports
 - * On-board Decoding Engine Decode multiple streams simultaneously
 - * A minimum of 3 x 4096x2160p 30fps streams OR
 - * 6 x 1920x1080p 60fps streams, 12 x 1920x1080p 30fps streams OR
 - * 50+ D1 resolution streams @ 30fps
 - * Codec Support: H.264 (Mpeg4 Part 10 AVC), VC-1(WMV) & MPEG2 Part 2 and MJPEG
 - * Maximum will depend on H.264 Profiles and Levels of incoming media
 - * 800MB/s form each Ethernet 'input'
- IP Workstation capture over IP via VNC

Accessories:

- DP Cables, 10m, 15m, 20m
- DP Cable Extender Graphics Card Powered
- Optical DP Cables 25m,50m,100m
- Expansion Chassis

Software:

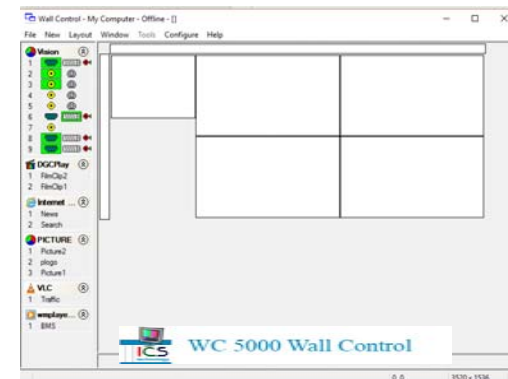
- ICS Layout Editor GUI
- ICS Layout Selector
- MultiPixel
- VNC Server & Viewer

Mechanical:

- 19" 4U Chassis

24X7 Operation Support: (WC5000 BD / BD-11)

- Hot Swappable Raid- 1 Hard drives.
- Dual Hot Swappable Power Supplies. WC5000BD 600W BD-11 800W
- Back up drive image for quick recovery.



ICS technology offers a complete line a video wall controllers / processors.

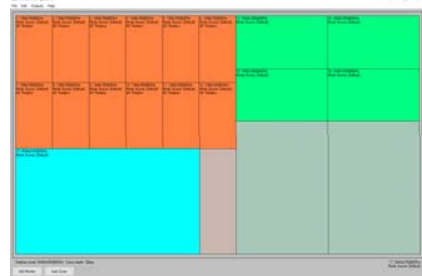
WC5000BD does it all. It is designed for 24/7 operation, It can be configured with up to 48 outputs. On the input side 64 direct connect DVI-I, HDMI, DP, SDI,HD-SDI, 3G-SDI, RGB, and Component input signal types are supported. This model offers 9 input / output card slots.

WC5000BD-11 offers 11 card slots per chassis and can be configured with a variety of input and output cards, generally in multiples of 4 ports. Multiple chassis can be daisy chained. Required for 4K capture cards

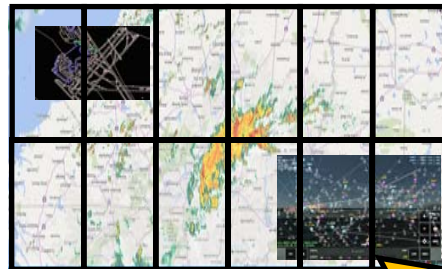
WC2500D is designed for smaller venues such as board rooms, conference rooms, lobbies. It has four card slots to accommodate both input and output cards. It can be configured in multiple inputs and outputs such as 9 outputs with 4 inputs, 4 outputs with 12 inputs, etc. This unit uses all the same software and cards as the WC5000BD series.

ICS MultiPixel

Screen Layout Configuration



12 X 768 X 1366 Resolution



4 X 1920 X 1080 Resolution



3840 X 2160 Resolution



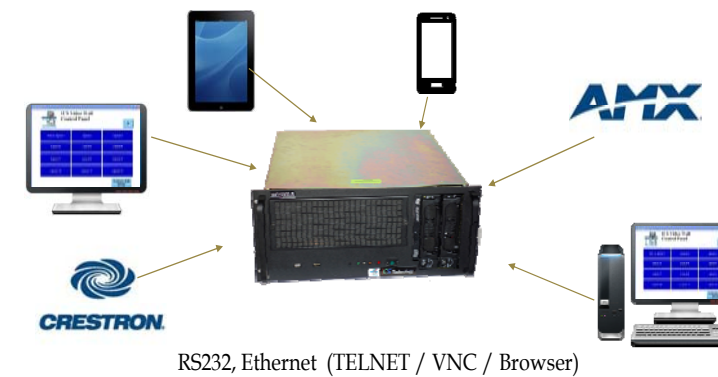
You can rotate any monitor within the configuration independently, or have the entire MultiPixel configuration rotated.

ICS' latest technology - MultiPixel: Provides new levels of video wall design flexibility by simultaneously supporting, within a single wall screen layout configuration, screens of multiple resolutions and orientations, along with gaps for mullion compensation, as well as screen to screen image overlap supporting edge blending.

Every output supports every resolution and every orientation independently of the other outputs in addition to arbitrary content cropping and duplication.

Video over IP / Ethernet: Cameras are captured directly on the processor by using ICS 264 card with: Dual 1000 Base-T Ethernet ports, H.264. Decode, Minimum 6 simultaneous 1080p @ 60 fps and 12 1080P 30 fps decodes, maximum will depend on H.264 level & profiles. Codec Support provided for H.264 (Mpeg4 Part 10 AVC), VC-1 (WMV) & MPEG2 Part 2 and MJPEG.

This card also can be used to capture local or remote workstation desktops over IP.



Outputs:

- Display Port ,DVI or HDMI Output with custom resolutions to match your LED pixel for pixel.
- Display Port Resolution up to 2560 X 1600 60 Hz 3840 X 2160 30 Hz per screen DVI Resolution up to 1920 X 1200 per screen.
- Leading edge 600MHz graphics processor with 512MB GDDR5 at 800MHz.
- 4 x DisplayPort 1.1a video ports providing up to 359 megapixels/s at 24bit (ex: 2560 x 1600 @60Hz). Per card
- Up to 16 cards per system for a maximum of 64 display channels.
- Up to 40m cable support using extension modules (powered via the graphics card).
- Passive cooling for high reliability.

Direct Inputs / Captures:

- RGB / DVI / DVI Dual Link / HD Component / HDMI / HD-SDI / SD-SDI /3G-SDI Inputs.
- DisplayPort 1.2 capture up to 4K Resolution 3840 X 2160 60Hz DVI - Resolution up to 1920 X 1200 DVI Dual Link- Resolution up to 3840 X 2160 30 Hz RGB analog - Resolution up to 2048 X 1536
- Support for 660MHz pixel clock and a maximum Input capture 3840 X 2160 60Hz HD video capture for all progressive and interlaced DVI/HDMI modes.
- Captures Quad-HD (2160p) Digital Cinema modes at 24/25/30fps HDMI — HDCP compliant Resolution up to 1080p.
- HD-SDI / SD-SDI — 3G-SDI Resolution up to 1080P HD component — Resolution up to 1080i.
- S-Video Inputs — Resolution NTSC, Pal and S-Video.
- LiveStream low latency technology supports high performance real time capture.
- MultiStream allowing for the independent control of multiple streams from a single capture channel at the same time.
- Automatic signal detection enables simple connection and capture of sources.
- Hardware based common time stamping facility.