



## THE SOLUTION FOR DISPLAYING & CONTROLLING DVRs, CAMERAS & COMPUTERS

### Watchdog 100/200

**4 Window Display Processor  
with KvM Control**

**Four window display**

**KvM control**

**DVI, RGB, HD, S-Video,  
Composite NTSC/PAL inputs**

**Sixteen input sequential  
switcher**

**Scalable windows**

**Ethernet control**

**Pan and zoom**

**Titles and borders**

**Programmable presets**

The Watchdog® 200 offers the most powerful image processing available in a multi-viewer, with outstanding image quality, plus web based control, dynamic window sizing, borders and titling, smooth zoom/pans and more. The processor is ideal for the display and control of DVRs, computers, and cameras.

The Watchdog 200 accepts high resolution DVI, RGB, HD, and NTSC/PAL video from DVRs, cameras, access control and other systems. Up to twenty four sources can be connected, four of which can be displayed simultaneously. It offers the highest quality graphics and video rendition, with state-of-the-art deinterlacing and scaling. Picture quality sets a new standard for the industry.

Up to sixteen video inputs can be sequenced through any window with user selected timing.

The Watchdog 200 supports real time, dynamic movement and resizing of windows. Each input can be scaled and positioned anywhere on the screen, as well as panned and zoomed to emphasize areas of interest. Display alternatives are virtually infinite, and include quad split, side-by-side, picture-in-picture, and overlapping windows.

User-selectable output resolutions of up to 1920 x 1200p and up to 2048 x 1152p ensure a perfect match with any display. With DVI inputs and outputs, a completely digital signal path can be maintained from signal source to display.

KvM capability provides control of any displayed computer, DVR or network controllable device. Best yet, KvM™ is RGB Spectrum's patent pending implementation of traditional KVM, with full bandwidth video directly connected to the processor; only control signals are passed over the network. This implementation guarantees real time video performance, unavailable in other systems. The system is operated using a single mouse with an on-screen cursor, and an optional keyboard for data entry. The novel hybrid approach coupled with an equally novel user interface offers seamless, realtime control with unparalleled responsiveness.

All functions are easily set up and controlled using a command line interface from either the USB or Ethernet ports, or graphically via a standard web-browser.

The model 100 is available for users who require multiwindow capability without KvM control.

Built on RGB Spectrum's long tradition of quality and reliability, the Watchdog is an excellent solution for all multimedia display, including the most demanding mission critical applications.



## Specifications

### Input Signals

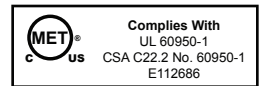
Type / Number	4 x RGB/HDTV (Y P <sub>b</sub> P <sub>r</sub> ) 4 x DVI Up to 16 x Composite Video, also configurable as up to 8 x S-Video or up to 5 x Component
Resolution	640 x 480 to 1920 x 1200 and 2048 x 1152p 720p, 1080i, 1080p HDTV
Horizontal scan rate	12 kHz to 125 kHz interlaced or non-interlaced
Frame rate	Up to 100 Hz
Video levels	0.7 V p-p
Sync type	Sync on green, tri-level sync (HD), separate composite sync, or separate H-drive and V-drive
Connectors	15-pin HD D-Sub (female) RGB 29-pin DVI-I DVI BNC (female) Video

### Output Signals

Type / Number	1 x RGB/HDTV (Y P <sub>b</sub> P <sub>r</sub> ) analog 1 x DVI digital
Resolution	640 x 480 to 1920 x 1200 pixels and 2048 x 1080p
Horizontal scan rate	12 kHz to 125 kHz
Frame rate	Up to 100 Hz
Video levels	0.7 V p-p
Sync type	Sync on green, tri-level (HD only), separate composite sync, or separate H-drive and V-drive
Connectors	29 pin DVI-I - DVI/RGB/HDTV (Y P <sub>b</sub> P <sub>r</sub> )

### Other

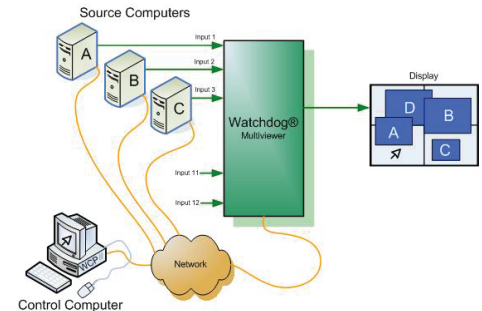
Power	100 - 240 VAC auto ranging 50 Hz - 60 Hz Less than 45 W
Control	Ethernet 10 / 100 BASE-T USB - B
Size	1 RU Width 17.00" (43.2 cm) Depth 13.5" (40.1 cm) Height 1.75" (4.5 cm)
Rackmount kit	Included
Weight	Approximately 13.5 lbs. (6.8 kg.)



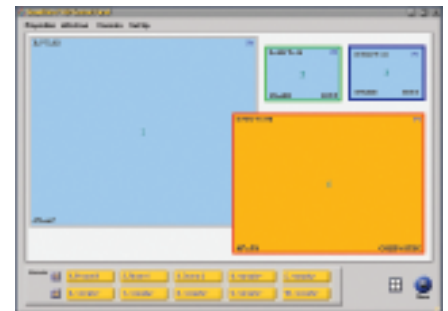
CE Tested to comply with CE standards

Specifications subject to change without notice  
Made in the USA  
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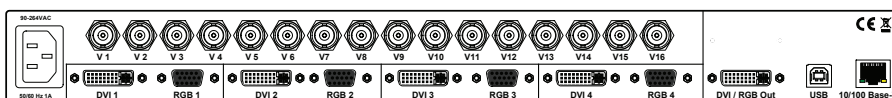
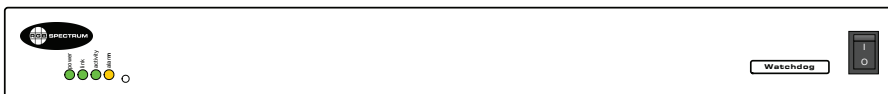
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The processor offers KVM control of displayed computers and DVRs.



The processor's display capabilities can be operated remotely from any web browser using a "virtual screen" GUI.



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