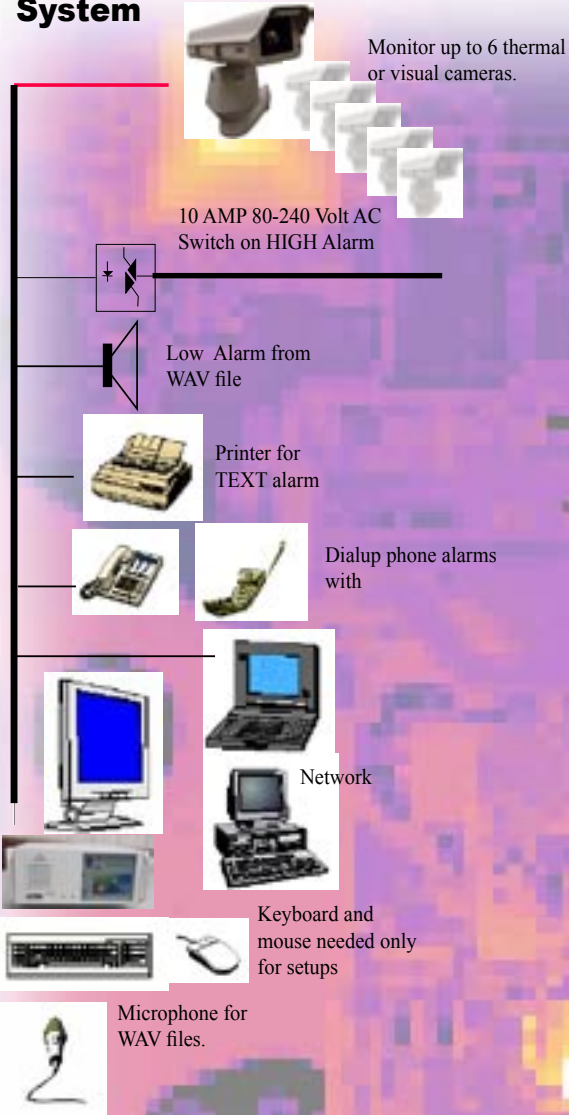


RedEye Sentry

System



Applications

Industrial

- Waste paper and recycling plants, to detect and quench fires automatically.
- Wood chip and refuse/garbage piles fire detection.
- Rubber tire processing plants, oil/fuel, coal or chemical process.
- Monitoring heat build up in any fermentation, organic materials, in rain storage facility.
- Detecting high temperatures on products moving on a conveyor belt.
- Forestry.

Security

- Capable of imaging and alarming on body temperatures.
- Software is able to ignore transient objects passing through the image.
- Report alarming by phone.
- Case and software resistant to wrong uses, and intrusion.

Specifications

- Windows 2000 OS
 - Cables software manuals included
 - Output sound files – standard WAV
 - Programs included to create WAV files
 - Standard computer sound inputs for Microphone and speaker
 - 6 NTSC or PAL camera inputs
 - T 100 network port
 - Com 1 and 2 configured as RS 232
 - High Alarm rating through OPTO 22
 - Use any of the standard OPTO 22 outputs
OAC5, OAC5A, OAC5A, ODC5A, ODC5R
- In addition there is 1 output, using any of the above, that responds to an alarm on any of the inputs. A blinking unit responds in the same way.

Options

- Multiple 1 amp high output connections.
- High Resolution 12 bit digital input.
- Inverted alarms
- Multiple outputs tailored to customer requirements – such as TTL or OPEN COLLECTOR.

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Specification may change without notice.

Check with EIC for latest information.



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RedEye Sentry

SENTRY FEATURES

THERMAL CAMERAS

- Connect any thermal camera that has NTSC or PAL outputs
- Monitor up to 6 thermal cameras with continuous or auto switch viewing.

VISUAL CAMERAS

- Connect up to 6 visual cameras with NTSC outputs.

OVERLAY MODE

- Pair 3 thermal and 3 visual cameras for overlay mode.
- Thermal alarms are superimposed on the visual image in color.

CASE

- Beige color heavy duty 19" x 7" x 17 steel case.
- Rack mount case with slides standard.
- Transportable, with shock mounted drives and PC Card hold down.
- Weight - 32 pounds

INPUT POWER

- Input voltage AC voltage 90 to 260 Volts.
- Input frequency 47 to 63 HZ

BUILT TOUGH FOR HIGH RELIABILITY

- Front panel cooling fan provides for maximum airflow across PC cards.
- Filtered air drawn in the front and forced out the back to minimize dirt buildup.
- Conservative CPU heat sinking with ball bearing cooling fan.
- Auto shut down on cooling fan failure or CPU over temperature.
- Conservatively rated computer power supply.
- Shock mounted hard drives and pc hard hold down bar.

SELF CONTAINED WITH ALL THE NEEDED MONITORING FUNCTIONS

- High Alarm with Opto 22 outputs..
- Cable, water resistant box, and opto parts provided.
- Audible low alarm ALERT.
- Individual low and high Alarms for each input.
- Internal speaker or external speaker connections.
- Communications – modem, networking, Com 1 and 2.
- Ignore momentary movements of objects on screen with settable delay.
- Exclusion objects block unwanted alarms on white text or objects.
- Full screen display with auto scaling of camera inputs.
- Contrast and brightness controls for high image quality.
- Two point temperature, calibration, for accurate alarming.
- Fast image display at 33 frames per second.

DESIGNED FOR MISSION CRITICAL MONITORING

- High reliability Windows 2000 operating system.
- RedEye reboots into RedEye software automatically when power is restored after a power interruption.
- Alarms when program or operating system freezes.
- User friendly setups.



Watchman

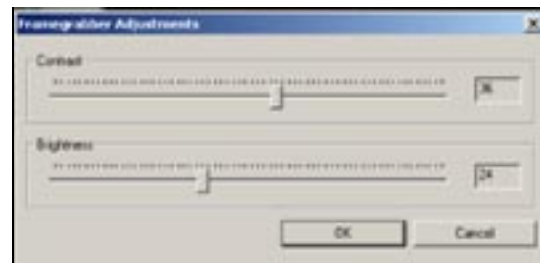
Easy as 1 2 3 setup to secure high reliability monitoring

Use the Visual/Thermal Pairs dialog to set up monitoring equipment

- Pair visual and camera equipment for overlay presentation.
- Set up the elapsed time between auto connection to monitoring equipment
- Display a bitmap showing location of monitoring equipment.
- Make connection securely and easily.

Then observe the display resulting image on the screen.

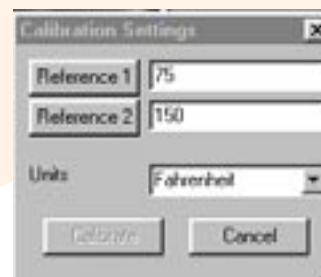
Adjust image for the best presentation using the brightness and



Setup the LOW and HIGH alarms

Calibrate temperature

1. Calibrate an image coming from channels 1 through 6 using two-point calibration.
2. Use two known temperatures and an ambient temperature
3. This is done one time for each input.
4. Easy calibration – find the known point and then CLICK and DRAG a RECTANGLE with the mouse.



Low or Audio Alarms

- Connect speakers to output connections on the back of Sentry
- Switch to camera to be setup by switching to active input and turn off auto cycle
- Use the Alarm Setup to value and above at which the audio alarm will sound
- Setup the alarm rate which determines if certain transitions across the screen are ignored. This can be setup in Seconds, Minutes, or hours.
- Mask off areas that should not alarm if needed.

High Alarms

Sets up in the same manner as the Low audio alarm.

The high alarm switches on the 10 amp switch and remains on until the user acknowledges the alarm. High alarm is fused to protect user circuits.



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Setup the phone notification

The user can setup any message desired in a wav file. RedEye Sentry has everything needed Software
Sound hardware for recording and playing on the main board.
Then place the phone number – RedEye Sentry can dial any device connected to the phone system.



Print Alarms

Print reports when an alarm takes place
Print text audible alarms
Print text for Output Alarms
Text contains time and date of alarm, if Audio or Output Alarm, and
The kind of device connected visual, or thermal, channel 1 through 6.

