OpenEye®

RELEASE NOTES

RADIUS MULTI-SITE SOFTWARE v4.07.3002

release date: 5/17/2013

COMPATIBILITY

- Backward compatible with Server v3.50.21 or newer
- Compatible with Professional Grade recorders OE2 through OE5
- Compatible with all E-Series Commercial Grade recorders

FEATURE ADDITIONS / CHANGES

Required for full compatibility with Server 4.50.108
Upgrade to the latest version of RADIUS (v4.07.30) to take advantage of the new features of Server v4.50.108
- Use Transcoding to recompress video for remote/mobile access
- Clip Backup is quicker and more reliable.
- File structure updates have improved performance and reliability of streaming IP video and make searching analog and IP video more reliable.

Video transcoding of up to 16 channels is now supported (requires Server 4.50.108)
- The OpenEye Transcoding Technology takes live or recorded megapixel HD video then recompresses it down to a resolution that more effectively transmits over the internet.
    - This feature offers the following selectable resolution scaling options:
        - Original HD (i.e. transcoding disabled), 640x480, 320x240 and 160x120
    - Up to 16 channels per DVR can be transcoded at a time:
        - 2x DVRs transcoding 16 channels each would allow 32 channels of transcoding via RADIUS. There is no limitation on the RADIUS side. Each DVR will lock to a maximum of 16 channels.
    - Support for live & search simultaneously:
        - Any combination of 16 channels (per DVR) can be used – 8 channels live + 8 channels search, 12 channels live + 4 channels search, etc.
- Additional Notes on Transcoding
    - Requires Server 4.50.108 or newer and RADIUS 4.07.30 or newer
    - Live transcoding can be set easily from RADIUS by right clicking the channel, selecting **Set Resolution**, and then selecting the desired resolution.
    - Transcoding during Search is activated separately and must be set each time search is entered (per channel)
        - This is an extra step for operators, but allows them to conserve bandwidth or stream the original HD video as needed.
    - It's recommended to monitor the CPU meter in live view of the local DVR server software when using Transcoding. A performance package upgrade should be considered if a load on the system is detected.
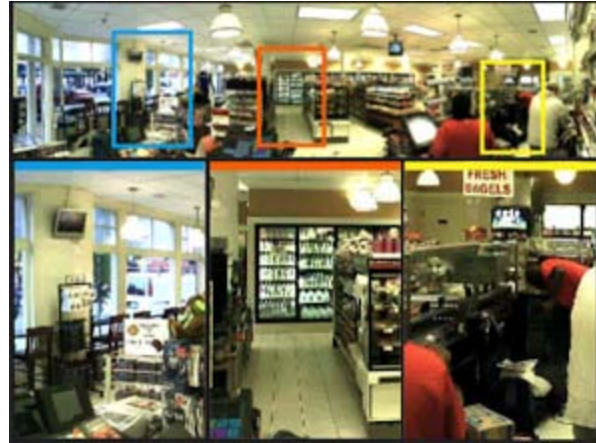
- Typical Transcoding use case scenario –
  - Customers that want to display and record megapixel and HD video locally (on the recorder) but still quickly search it over their low-bandwidth/high latency internet connection through RADIUS.

Support for Scallop D7-180 IP Camera
Scallop D7-180 IP camera integration is available in Server v4.50.108 and RADIUS 4.07.30.

- Stream #1 displays the filmstrip view and up to 4 detail views (configured in the Scallop web interface)
- Stream #2 displays a full resolution (5120 x 1280) filmstrip view at 1 IPS.

Known Issue Stream #2 is distorted in RADIUS v4.07.30 to 5120 x 2560. Image record in server software is unaffected.

Camera configuration is done using the Scallop web browser interface. Use the Hot Spot digital zoom feature in RADIUS to zoom in on detail areas.

Configurable Auto-Disconnect feature added
- When auto –disconnect is enabled, RADIUS will disconnect from the connected recorders and display a message indicating the action has occurred. This feature has a selectable time between 1-999 minutes.

Clean image feature for analog 4CIF video added
- The Clean Image filter impacts all 4CIF analog channels in RADIUS and improves the playback of images recorded at 720x480. Clean Image is available in RADIUS from the Settings menu, Admin section, and is a global setting that remains active until the feature check box is cleared. This feature was only previously available in Remote software.

RESOLVED ISSUES

- Emergency Agent Motion Events not being reported on all channels is fixed.
- Occasional issues with entering Professional Series DVR setup has been fixed.
- Failing to connect using LDAP connecting to Server v4.50.108 has been fixed.
- Emergency Alarms not always being received from Server v4.50.76 has been fixed.
- Selecting a time in Search with no data occasionally stopping RADIUS to respond has been fixed.
- Occasional lock up while searching H.264 video has been fixed.
- Alarm monitor scrollbar not working when 5000+ records exist has been fixed.
- Exporting an AVI with audio from the POS player causing the export to freeze has been fixed.
- E-Series System Log language has been fixed.
- E-Series Backup Viewer playing video through the hour has been fixed.
- Minimizing Radius causing IP video to stop rendering has been fixed.