

OptiCore for RISE™ Platform

Camera Management Tool for RISE camera systems



CohuHD Costar's OptiCore for RISE is a powerful, centralized Camera Management application designed for use with RISE platform products, providing quick and efficient configuration, monitoring and maintenance of multi-camera installations.

Using industry defined network protocols and methods, OptiCore automatically discovers, lists and allows quick and efficient camera configuration and management over IP of RISE camera installations.

OptiCore is a password-protected, Windows OS application used for all sizes of installations, from one camera to several thousand in a multi-site installation.

Designed with an intuitive user interface, OptiCore provides users a simplified and easy to learn experience. With an internet connection, OptiCore will monitor for new firmware updates of the RISE and CORE packages.

OptiCore automatically discovers RISE devices on the network and displays a sortable list of the discovered camera systems.

Flexible Camera Discovery

- ONVIF discovery protocol
- RISE discovery protocol
- User defined auto polling interval
- Displays complete camera list
- Displays key camera properties

Camera Configuration

- Data and Time settings
- Compare settings of multiple cameras
- Configure IP network settings
- Factory default selected cameras
- Launch cameras web interface
- Reboot selected cameras
- Backup/Restore camera configuration files

Automated Upgrades

- Simultaneous upgrade of selected RISE cameras
- Preferred software version pointers

OptiCore provides both ONVIF and RISE discovery methods and stores critical information about every discovered camera in the software's storage facility. Users can add any camera that was not discovered by the software where broadcast messages are not permitted through switches or firewalls.

The camera list display includes information about the camera's IP address, subnet mask, gateway, link speed, firmware version, device name, camera alias, camera model, last device discovery date/time and camera up-time, with each field in the list sortable.

With internet access, OptiCore is integrated with Google maps, and allows users to place RISE camera systems on detailed map or satellite views. OptiCore users can select a camera from the list of known and discovered cameras and place on the detailed map the location the camera is installed. The placement records the longitude and latitude of each discovered camera in the OptiCore database.

The map view will then display an icon of the camera at that location and allow the user to select the camera for future actions.

Flexible Camera Identification

- User defined camera alias
- User define camera/group tags
- Contact information by camera
- Location descriptions

Integrated Camera Map Locations

- User supplied site/location maps
- Camera ICON locations
- Camera ICON color status indicator
- User defined camera GEO coordinate information

Application Level Security

- Password protection access
- Multiple user access levels

The map view will display the camera icon green or red depending if it has responded to the latest discovery.

The map view will allow context menu action selection by right-clicking on any camera in the discovered list.

CohuHD Costar's OptiCore Solution, designed to simplify and streamline the management of RISE platform cameras saving valuable time, personnel and associated costs.

OptiCore is available for downloading from CohuHD's web site at www.cohuhd.com



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PC REQUIREMENTS

CPU	Intel i7-860S 2.53 GHz or better
Operating system	Windows 10 Pro Windows 8.1 Pro Windows 7 Pro SP1 Windows Server 2016 Windows Server 2012 R2 standard Windows Server 2008 R2 SP1
Memory	4GB DDR3@1066MHz or better
Hard Drive	7200 rpm – minimum speed with sufficient free space
Video card	NVIDIA® GeForce® 9800 GTX+ with 512 MB RAM or better, or high-end ATI Radeon™ HD series
Monitor	LCD monitor with 1920x1080 or better resolution
Network Card	100/1000BASE-T
App type	64 bit
App camera data	Encrypted

APPLICATION PROPERTIES

Settings

Auto Discovery	Enable/Disable
Discovery Interval	User selectable [seconds]
Network Interfaces	User selectable
Discovery Method	ONVIF, RISE, Both
NTP Server	User defined URL/IP address.
RISE Package	Selectable from available versions in PC.
CORE Package	Selectable from available versions in PC.
Web default browsr	User selectable from available browsers installed.
Web App port	User defined.

Manage Users

Maximum users	10
Configure	Add [user group], edit, delete and set password.
User groups	Admin, User and Aynomous [set password].

Camera Data

Export	Provides method to export camera settings database to a CSV file format.
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Camera List

Discover	Initiates discovery process based on Discovery Method selected in Settings.
Filter	Allows filtered camera list based on selected camera tag(s).

Firmware

Upgrade	Initiates upgrade process based on selected camera(s). Allows user to select registered upgrade files or manually select upgrade files.
Manage Pckgs	Provides method for registering and deleting RISE software files to Opticores database.

Camera Details

General	Provides method for adding Camera Alias name, Camera Description, and GEO location data to selected camera.
Contact Info	Provides method for adding Company Name, Address, Phone Number and Contact Name to selected camera.
Tags	Provides method for adding, deleting, editing Tags to selected camera.
Manage	Allows method to manually add or delete camera from list.

Camera Users

List Users	Displays list of all users and access levels defined in Opticore database.
Load User Group	Provides method to load a selected user group to the selected camera(s).
Manage User Grp	Provides method to add, edit and delete user groups for use in loading into cameras by way of Load User Group function.

Camera Management

Factory Default	Provides method for factory default selected camera(s).
Reboot	Provides method for soft reboot of selected camera(s)
Web App	Launches the selected camera web interface.
Date/Time	Allows method to manage selected camera(s) date/ time settings.
Compare Settings	Provides method to compare a selected camera(s) camera settings for changes since last discovery.
IP Address	Provides method to manage selected cameras IP address settings.

Backup

Provides method for downloading selected camera(s) camera configuration file to Opticore database.

Restore

Provides method for uploading selected camera configuration file from Opticore database to selected camera(s).

Camera Listing

List box

Displays all cameras discovered during the discovery process or manually added. Each camera entry is color coded to provide current connection status details.

Camera List Fields

Camera Alias, MAC Address, IP Address, CORE Version, RISE Version, Gateway, Subnet Mask, Model Number, Up-time, Last discovery date, MTU setting, Duplex mode, Current action being performed.

Camera Map

Show Cameras

Displays camera ICON's on Google maps indicating camera locations based on GEO coordinates entered in the Cameras General Detail settings. Provides method to refresh/reload google maps. Indicates location of camera system and type (dome positioner dual head). Icon color indicates communication status. Mouse hover displays current settings and firmware versions in camera. Mouse click displays context menu of configurationa and support actions that can be performed on the camera.

Reload Map

Camera Icon

RISE Series IP Video Cameras

Rugged Innovation with Superior Endurance

The RISE Series IP video cameras are designed and built by CohuHD Costar for critical infrastructure applications demanding high-quality images, rugged construction and seamless interoperability. The RISE Series delivers advanced performance at unbeatable pricing.

About CohuHD Costar™

CohuHD Costar is a leading manufacturer of high-definition video systems designed to satisfy the demanding performance requirements for critical infrastructure applications. CohuHD solutions integrate the latest high-definition video imaging and compression technologies into ruggedized camera products for monitoring in critical, sensitive environments.