## TABLE OF CONTENTS

<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>RTM MANAGER STARTUP</td>
<td>3</td>
</tr>
<tr>
<td>RTM MANAGER CONFIGURE</td>
<td>4</td>
</tr>
<tr>
<td>INDIVIDUAL RTM CONFIGURATION</td>
<td>7</td>
</tr>
<tr>
<td>RTM MANAGER STATUS</td>
<td>8</td>
</tr>
<tr>
<td>VIEWING RTM IMPAIRMENTS, METRICS, AND STATUS</td>
<td>9</td>
</tr>
<tr>
<td>RTM SCHEDULER</td>
<td>11</td>
</tr>
</tbody>
</table>
RTM Manager Startup

To start up the connections between the RTM units, and the manager you will need to run the following

On each managed RTM unit:
1. C:\Program Files (x86)\Video Clarity\RTMonitor\RTMserver
2. C:\Program Files (x86)\Video Clarity\RTM manager\start_rmserv

On the RTM Manager unit:
1. C:\Program Files (x86)\Video Clarity\ClearView\StartCVserver
2. C:\Program Files (x86)\Video Clarity\RTM manager\start_rm
RTM Manager Configure

Configuration is managed via a browser interface. Log into this interface hosted by the RTM Manager unit. For example,

At the site administration page, select “Rtms”
If units have already been configured, you should a page similar to
This page above indicates that 2 RTM units have been configured with specific IP addresses. To add a new RTM unit, select the “Add rtm +”.

To change an existing configuration, select the name of the RTM to change. For example, to change the IP address for RTM-1RU6:
Individual RTM Configuration

Enter a new description or IP address field. To save the new configuration scroll to the bottom of the page and select “Save”.
RTM Manager Status

To display the status page, select

This indicates that RTM-1RU6 is responding to the RTM manager, while RTM-1RU9 is not. Status is checked periodically and automatically updated from within the browser. The status page need not be manually reloaded.

For each managed RTM unit, manager gathers RTM status logs, RTM metric files, and RTM impairment files, and stores these on the RTM manager unit. For example,
Viewing RTM impairments, metrics, and status

A impairments, metrics, and status folder will be created for each of the RTM's connected to the manager. The individual folder location is F:\rtms.
RTM Scheduler

RTM scheduler is a tool that generates a sequence of RTM server commands according to a schedule defined by an input text file.

The input file is assumed to be called 'rtmcron.tab', and must be located in the same directory as the RTM Scheduler tool itself. The input file is tab-delimited, containing fields for:

- Date and time to launch the command sequence
- The IP address for the target RTM unit
- ";"-delimited sequence of RTM commands

If the input file is modified while the tool is running, the schedule is regenerated internally as the tool continues execution.

Rows may specify a "daily" schedule. This indicates that the corresponding commands should be invoked at the specified time each day.

Rows may specify an "hourly" schedule. This indicates that the corresponding commands should be invoked at the specified time each hour of each day.

Running the Scheduler:

To start the tool, use Windows Explorer to select the tool. This will open a command window that also captures log status. Alternatively, the tool may be invoked directly from a command window. Status for all runs is logged in rtmcron.txt

The tool continues to execute as long as there exists RTM commands scheduled sometime in the future. If the input text file contains line starting with "daily" or "hourly", the tool continues to run until it is manually stopped.
Example 1

In this example three sets of commands will be sent at a specific date, and time. One command to check board temperature will be sent daily, and the status of two RTM's will be checked hourly.

Example 2

In this example the scheduler is telling RTM to switch unicast addresses every 10 minutes. A series of commands is separated by semicolons to check the status, stop RTM, configure the new input, then start back up again.