

## NTCIP Camera Capabilities

The following table provides a listing of which cameras support the NTCIP functions that are part of the SunGuide<sup>SM</sup> requirements (“x” implies the function is supported, “-“ implies no support for the function):

| NTCIP Function               | Vicon | Pelco | Cohu | AD |
|------------------------------|-------|-------|------|----|
| Absolute Position            | X     | X     | X    | X  |
| Alarm Latch Status           | -     | X     | X    | X  |
| Alarm Status                 | -     | X     | X    | X  |
| Camera Equip. Avail.         | X     | X     | X    | X  |
| Camera Feat. Status          | -     | X     | X    | X  |
| Camera Label                 | -     | X     | -    | -  |
| Input Latch Status           | -     | X     | X    | X  |
| Input Status                 | X     | X     | X    | X  |
| Lens Equip. Avail.           | X     | X     | X    | X  |
| Lens Feat. Status            | X     | X     | X    | X  |
| Output Status                | X     | X     | X    | X  |
| Pressure Alarm Thresh.       | -     | X     | X    | X  |
| Pressure Alarm Value         | -     | X     | X    | X  |
| Range Objects                | X     | X     | X    | X  |
| Temp. Alarm Thresh.          | -     | X     | X    | X  |
| Temp. Alarm Value            | -     | X     | X    | X  |
| Timeout Parameters           | X     | X     | X    | X  |
| Washer Fluid Alarm Threshold | -     | X     | X    | X  |
| Washer Fluid Alarm Value     | -     | X     | X    | X  |

For SunGuide<sup>SM</sup> Release 2.0, the capability to control the NTCIP CCTV menus from the operator GUI was added, the support of this functionality is limited by the support provided by the different camera manufacturers, the following is a summary of the menu support offered by the different NTCIP CCTV cameras:

- Vicon - NTCIP menu commands function as follows:
  - o Up, Down, Enter: Select menu item
  - o Left, Right: Adjust selected item
  - o Page Up: Go back one screen
- Pelco (via IDI NTCIP translator) - NTCIP menu commands not supported
  - o Note: IDI indicated that the version of the translator provided to FDOT does not support (was not a requirement at the time according to IDI). They have indicated that they can provide an upgrade that will add menu support.
- American Dynamics – NTCIP menu commands function as follows:
  - o Up, Down, Enter: Select menu item
  - o Left, Right: Adjust selected item
  - o Note: Menu display time not honored
- Cohu (camera not used by FDOT) - NTCIP menu commands not supported