

Sync Time Server / Service for IP Cameras


In a successful CCTV installation time plays an important part, where all devices should be connected to the same clock.


The Device tool allows a PC to become a time server which. The simple application should be run on a 24x7 PC which itself could also connect to a time server, perhaps using standard Microsoft Windows time service.


Because for security not always would you allow IP devices to be accessible directly to the internet, which could potential be a security concern.

Using


The screenshot shows the 'Device Helper Tool' window. It has a 'Device Search' section at the top with input fields for 'Begin IP', 'End IP', and 'Prot' (set to 30001), and 'Add' and 'Delete' buttons. Below this is a table with columns: Num, Begin IP, End IP, Port. The 'User Name' and 'Password' fields are also present with 'Add' and 'Delete' buttons, followed by a table with columns: Num, User Name, Password. A 'Search' button is circled in green. The 'Device Information' section contains a large table with columns: Num, Device IP, Device Name, User ..., Passw..., Device State, Version, Flash, MAC. At the bottom, there are buttons for 'All' (circled in black), 'Save List' (circled in purple), 'delete', 'Flash', and 'MAC'. The 'NTP Service' section at the very bottom has a 'Time Interval' dropdown set to '30 minute', an 'AutoRun' checkbox (circled in orange), and 'Start' and 'Stop' buttons.

Enter IP range for camera(s), and Add.  You can add multi ranges to span different networks.

Enter username / password list  This is the login credentials to connect to the devices.

 Search will on first run of application find all devices. Use  Save List so all devices are remembered.

Time Interval is the push event which the PC will send the time data to all devices in the list.

 Auto Run will let application run as an auto starting application if after a system restart.

Flash and MAC will display details of the device for simple version / Network details  All will select all Devices.