

IP VIDEO DOOR ENTRY SYSTEM

NETWORK PARAMETERS SETTING

ROUTER CONFIGURATION:

- Be sure that the multicast on all the routers **MUST BE ENABLED**. The naming could change depending on router manufacturer: could be simply “enable multicast stream” or “igmp snooping”. If this set up is not present in your router, the only way to verify the functioning is to test it. If it is still not working, please change the router with a new one with this setup. We recommend selecting router with Multicast option that can be managed in the set up.
- It is necessary to create a DHCP pool of IP addresses outside the VLAN created inside the IP server configuration, for example the DHCP server (managed) address management from 192.168.1.0 to 192.168.1.199 and the IP DES Server (fixed) address management from 192.168.1.200 to 192.168.1.250.
- The IP address of the IP DES server must be inside the DHCP pool of IP addresses set up in the router within a reserved IP (to be set up using the MAC ADDRESS in the router).

TYPE OF LAN NETWORK :

- The System uses multicast communication in the local network, so it is necessary to use a unique VLAN for the complete system.

BANDWIDTH OF THE LAN :

- Mono-directional video and bidirectional audio of our system normally require at least 2,5 Mbits/sec. (i.e. during call from entrance panel to indoor unit).
- Bi-directional audio and video require at least 5 Mbit/sec. (i.e. during intercom call between apartments with indoor units with integrated camera).

BANDWIDTH OF INTERNET CONNECTION :

- For the connection of the system to internet the upload speed must be considered. Sizing of the requested upload speed depends on an estimation of simultaneous calls that can be done from the system to Home + Security App.
- Considering that the calls to Home + Security are monodirectional video and bidirectional audio requiring 2,5 Mbits/sec. The probability of having multiple calls forwarded to the App at the same time depends of the installation dimension.
- Please make your calculation accordingly.

For more detailed information about network prerequisites, please refer to the full software manual of the IP DES SYSTEM.