

Frequently Asked Question about the SkyZhone-70

General

1. **How far away can the SkyZhone unit be from the control center?**

The SkyZhone-70 can typically be up to 4 miles away, however, depending on the wire gauge and the ambient temperature the distance can be much more or much less.

2. **What kind of network bandwidth can the SkyZhone-70 support?**

The amount of bandwidth that can be obtained with the SkyZhone-70 is determined by a number of factors including the distance from the head-end, the type of cable used, and the number of DSL pairs connected. With all four pairs used, the maximum bandwidth is 11.4Mbps/pair or 45.6Mbps.

3. **What kind of IP cameras can be used with the SkyZhone?**

There are no restrictions on the type of IP cameras used. Any standard IP based network camera may be used.

4. **Will the SkyZhone interfere with regular IP video surveillance operations?**

No. The technology used by the SkyZhone will not interfere with the normal operation of IP video surveillance.

5. **What are the options for video recording from the SkyZhone-70?**

The SkyZhone-70 supports any standards-based Hybrid IP DVR or NVR software.

6. **What video frame rates are supported?**

The IP video frame rates that can be supported over the SkyZhone-70 vary with the amount of bandwidth available and the image quality settings. A typical 4SIF sized resolution at 15FPS using MP-4 encoding needs only 0.5Mbps. Whereas, a high quality 720p sized resolution at 30FPS using MJPEG encoding requires almost 30 Mbps.

7. **What access rights are required for a SkyZhone-70 site?**

In general, all that is required are access rights to pole or wall mount space and right-of-way for the SHDSL cable path to your head-end monitoring site.

Specifications

8. **What are the power requirements for the IP Camera used?**

The Skyzhone-70 provides a maximum of 70W of power. The amount of power available to the end IP devices attached to the SkyZhone-70 depends on the distance the SkyZhone-70 is from the head-end. For a chart of Power vs. Distance – see the SkyZhone-70 datasheet.

9. How many cameras can be supported in a SkyZhone-70 network?

The MXK DSLAM that is used to connect the remote SkyZhone-70 units supports a maximum of 216 SkyZhone units. However, there is no limit on the number of MXK chassis that can be installed at the head-end sites.

10. What temperature range is supported by the SkyZhone-70?

The SkyZhone-70 will operate over a temperature range of -40C to +55C.

11. What type of mounting options are available for the SkyZhone-70?

The SkyZhone-70 supports both wall-mount and pole-mount options.

12. What kind of security is available on the SkyZhone-7?

The SkyZhone-70 supports 802.1Q VLANs to isolate management traffic from network IP video traffic, and SSL/TLS encryption for management operations. The SkyZhone-70 is also encased in a steel enclosure and is secured with security bolts to restrict access.

Installation

13. Is it difficult to configure the SkyZhone-70 at the remote sites?

No. The SkyZhone-70 will request an IP address via DHCP over your VLAN-enabled network, or the SkyZhone may be assigned an IP address via its serial console for first time use.

14. Is any special training required to configure the SkyZhone-70?

No. A basic knowledge of TCP/IP networking is all that is required of the installer.

15. Do installers require any special licenses or certificates to install the SkyZhone-70?

The SkyZhone-70 is a DC powered device; in most jurisdictions, certified and/or licensed installers are not required.

16. How many visits are required at each SkyZhone-70 site to complete an install?

Unlike the typical locally powered solution, a SkyZhone-70 installation can be completed in just one site visit. The SkyZhone-70 does not require local power, on-site UPS or special building access. In fact, the entire SkyZhone-70 site install can be completed with exterior building access only.

17. What kind of remote site maintenance is required with the SkyZhone-70?

There is no normal maintenance schedule required for the SkyZhone-70. All serviceable elements in a SkyZhone-70 network are located at the head-end site.