

New developments in IP Surveillance



Almost by the week, there are new developments with **surveillance camera technology**, especially with IP cameras. While at a recent tradeshow, I discovered a few of these and thought I would pass them along:

- ◆ **Resolution:** Cameras now come in 1.3, 2, 3, 5, 8, 10 and even 20-megapixel varieties. For comparison, a 1.3mp IP camera has over 4x the pixels, or “resolution” of an analog CCTV camera, and a 2mp camera over 7x the pixels.
- ◆ **Flexibility:** Cameras come with wide-angle lenses, to “zoom” lenses, telephoto, and Pan-Tilt-Zoom capabilities. IP cameras also now come in 180° and 360° varieties.
- ◆ **Areas of Coverage:** now, you can cover the same area with a single IP camera, where before you might have needed multiple analog cameras.
- ◆ **Codecs, or Compression/Decompression algorithms.** This saves bandwidth and space. A newer 2mp IP camera actually uses less comparative bandwidth than the highest quality analog CCTV camera!

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► PoE... What is it?

PoE, or Power over Ethernet, is something we should all know about. PoE is a variety of data switch that not only connects your computer networking devices, but also delivers power.. over the Ethernet (data) cable, to devices that may need it. More and more communications devices are being developed to use IP and PoE, as opposed to separate "dedicated" wiring (Cat3 for voice, coax for cameras, etc, etc). An updated – and growing list of PoE compliant devices are: VoIP telephones, wireless access points (WAP), wireless bridges, IP surveillance cameras, IP clocks, IP speakers, and the list keeps growing.



► Welcome Bill Labonte to our Business Development team

Bill joined the First Choice team in the middle of December, just before year-end. Bill has been in sales for the last 27 years, in the automotive, retail, and beverage Wholesale markets. Bill has a wife Karen, of almost 29 years, and four wonderful children. Bill lives in the Mount Snow valley region of Vermont, and enjoys hunting, fishing, and classic automobiles. Bill can be reached at blabonte@fccsinc.com or extension 238.



► NVR vs. DVR

NVR vs. DVR, which should I choose?

What is better for my businesses security camera solution; a Digital Video Recorder, or a Network Video Recorder? Here are the differences (in brief);

DVR: Less costly solution, capable of a fewer number of total cameras. Lower resolution images, lower cost cameras.

NVR: Typically higher in price for the complete solution, but having markedly greater flexibility with total number of cameras, storage retention, image quality, and camera/controller software programming options.



Call us with any questions, or with help on the design of your Surveillance Camera project.

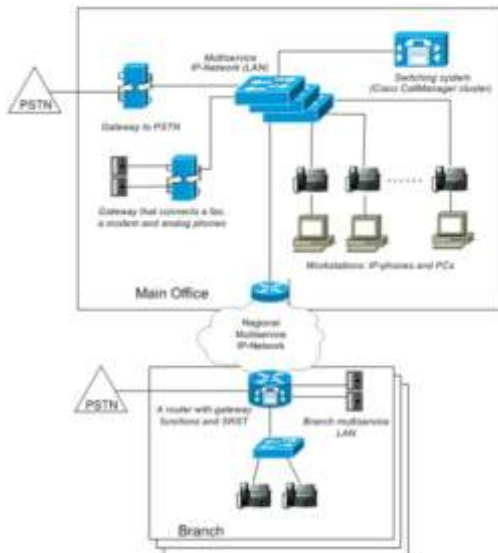
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► Increase in SIP trunk carrier certifications

Searching for a new voice and data service provider? Consider one or more of these as they are pre-tested and certified on the SIP PBX telephone systems that we provide. Some of these may not be available in your area, and be sure to talk to us first about ensuring Quality of Service (QoS).

- AllStream
- AT & T
- Bandwidth
- Broadsoft
- Broadview
- Broadvox
- Cbeyond
- CommPartners
- Cordia
- Deltacom
- Excel Communications
- InGate
- Integra Telecom
- MetaSwitch
- NexVortex
- Nortel
- Nuvox
- Paetec
- Verizon
- Voxitas
- XO



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