Watch*NET* *Gazette*

In This Issue

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Video Tutorials
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WatchNET P2P Setup for MVS mobile app

Link to a Web page
WatchNET P2P Setup for VMS Windows app

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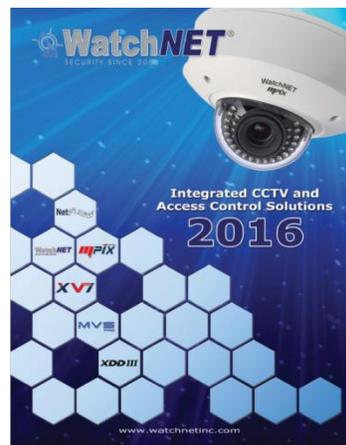Tonawanda, NY

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New Catalogue Announcement

Watch*NET* is proud to announce the latest release of our 2016 Catalogue! It has been vastly improved and updated with new products. It now shows associated camera brackets and back boxes below each camera model making it easy for customers to select the appropriate accessory.

Please download the PDF version from our website at…

http://www.watchnetinc.com/CATALOGUE_2016.pdf

Calculating the max IP input assigned to an NVR

When it comes to designing a full IP system, one of the most asked question is how many IP cameras can I assign to a particular NVR? Well, the answer to that is not a simple one as there are too many factors you need to take into account.

Example of factors:

1. camera resolution to record
2. frame rate required
3. image quality required
4. camera bitrate setting
5. constant or variable bitrate setting
6. number of streams of video required (single or dual streams?)
7. the total number of cameras required to be recorded
8. the max. number of channels the recorder is intended to support
9. recorder's recording throughput spec
10. recorder's incoming data rate spec

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There are hundreds of combinations for these factors. 2 to the power of 10 equates to 1,024 variables. There are other secondary factors involved that impact the overall system design such as network bandwidth allocated for the system, video analytic requirements, and the NVRs hardware resources you need to take into account. In addition, there are other network-related factors such as the performance and specifications of an Ethernet switch.

When calculating the max no. of inputs for large-scale systems, it is best never to exceed more than 60% - 70% of the recorders potential to reduce any issues with overloading the CPU, memory, producing thermal issues, system crashes, loss of frames/data packets. This all holds true regardless of the manufacturer of the server/recorder. Every NVR has its limits.

Best to consult your systems engineering team for large system designs.

Staff News

Congratulations to Peter Punzalan for 2 years of service with us as our *Access Control Technical Support Specialist*!

Corporate Profile

Corporate HQ

Watch*NET* is a Canadian-based manufacturer and global leader in the security industry since year 2000.

We manufacture analog, XVi/CVi, IP-based video surveillance cameras and recorders, plus door access control systems. In addition, we provide centralized video management and recording solutions for large-scale requirements.

WatchNET has offices and representatives world-wide including Canada, USA, Dubai, India and Hong Kong.