



WatchNET *Bazette*

June 2016

Volume A, Issue 3

In This Issue

- New product announcement
- Calculating UPS battery backup time
- Staff news
- Corporate profile

Corporate Website

www.watchnetinc.com

Technical Support

Toll Free: 1-866-843-6865
Local: (416) 410-6865
tech@watchnetinc.com

Video Tutorials

https://www.youtube.com/watch?v=kIEPWxT-_qA
WatchNET P2P Setup for MVS mobile app

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

Global Offices

CANADA:

T: 1-866-843-6865
info@watchnetinc.com
Markham, Ontario

USA:

T: 1-855-404-3193
info@watchnetinc.com
Tonawanda, NY

UAE:

T: +971 4 2767117
satish@watchnetinc.com
Dubai, UAE

New Product Announcement

WatchNET is proud to announce the new 4MP MPIX series and the new Balun17 to our already expansive line-up of IP cameras and accessories.

The major benefit of the 4MP series is the True WDR feature whereas the 5MP series are equipped with the inferior D-WDR. Difference is True WDR has a wider dynamic range which translates to better and clearer viewing of the background in high contrast lighting scenes. This is beneficial when viewing through glass windows with an interior mounted camera. In addition, the long 50m IR range on these models are amazing!



MPIX-40VDV-IRM

4MP HD WDR Intelligent Vandal-proof Motorized IR Dome Camera

Features:

- Motorized vandal-proof, IR equipped, IP mini dome camera
- 1/3", 4MP Aptina CMOS, 2.7 – 12mm motorized lens
- Max 20fps @ 4MP, 30fps @ 3MP
- H.264/M-JPEG, WDR up to 120dB, Smart detection
- Day/Night (ICR), Ultra 3DNR, Auto Iris, AWB, AGC, BLC
- 50m IR illumination range, Alarm I/O: 1/1, Audio I/O: 1/1
- Micro SD card slot
- IP67 rated for environmental protection, IK10 rated for impacts
- Built-in browser access, PoE or 12VDC powered

MPIX-40-BIMR

4MP HD WDR Network IR Bullet Camera



Features:

- Motorized vandal-proof, IR equipped, IP bullet camera
- Complete with adjustable wall-mount bracket
- Alarm I/O: 2/1, Audio I/O: 1/1
- All other features the same as MPIX-40VDV-IRM

INDIA:

T: +91 1125060481
dipitesh@watchnetinc.com
New Delhi, India

HONG KONG:

T: 00852-27935511
hk@watchnetinc.com
Kowloon, Hong Kong

MPIX-40-SBC

4MP Full HD Network Box Camera

Features:

- IP Box Camera (Megapixel lens sold separately)
- Adapts to CS-mount MP lenses and FQ lens connector for ALC
- Alarm I/O: 2/1, Audio I/O: 1/1
- All other features the same as MPIX-40VDV-IRM

**Balun17** (new version shown on right)

The new Balun 17 adopts screw terminals as opposed to push pin terminals as formerly used.

Features:

- 1 channel with male BNC connector, screw-down terminals
- Compatible with analog, XVi, CVi, AHD, TVi formats
- 720p and 1080p resolutions supported
- 75 ohm impedance
- Suitable for UTP, CAT5, CAT5e, CAT6 cable

How to Calculate UPS Battery Backup Time

Many installers select improper UPS (uninterruptible power supply) systems for video recorders due to incorrect estimations of battery backup requirements. So how does one go about figuring this out?

Well, it can get rather technical and intimidating with specs like power factor (PF), linearity, efficiency, etc. Best to refer to an online calculator from UPS manufacturer's to calculate or through the old school way using equations and a good old calculator as follows:

1. Determine the efficiency or "Power Factor" (PF) for your UPS's DC-AC converter. The PF of a UPS defines its efficiency.
2. Determine the capacity (in ampere-hours or "AH") for each of the UPS's backup batteries.
3. Add together the voltages from all of the batteries from Step 2. This will give you the combined DC voltage output for the UPS. Note: do not add together the capacities (AH rating), as that value is unaffected by the series circuit configuration.
4. Multiply the combined DC voltage (from Step 3) by the UPS's power

factor (from Step 1). This result will represent the effective AC voltage output by the UPS.

5. Multiply the appliance's voltage by its amperage to calculate its power consumption in volt-amperes (VA).
6. Divide the appliance's (NVR) power consumption by the UPS's AC output voltage (from Step 4). This will give you the current (in amperes) the appliance will draw from the UPS.
7. Divide the total battery capacity in AH (from Step 3) by the current draw (from Step 6). This will give you the ideal maximum backup time for the UPS, in hours.

No. of Hours of Battery Life = (Total Battery's Amp-Hour Rating) divided by the (Max. Amp draw of NVR)

ie: 6AH /10A = **0.6 hrs. (36 mins.)**

Staff News



We are pleased to introduce our newest family member, Philip Templonueve as our new RMA Coordinator. Philip brings over 2 years of customer service experience.

His experiences will help better serve our customers with matters relating to product warranty and returns for CCTV and access control products.

Let's give Philip a warm welcome!

Corporate Profile



Corporate HQ

WatchNET 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.