

NetBotz® 420

Expandability

- Available in both wall-mount and 1U rack-mount form factors; rack model available with or without camera
- Supports 1 additional camera pod and up to 4 non-camera pods
- 4 sensor ports integrated into the unit, as well as the capability to attach Sensor Pod 120s
- Each Sensor Pod 120 has integrated temperature/humidity/airflow/audio/dew point sensors plus 4 sensor ports

Surveillance

- Camera motion sensing software
- Camera "block out" to prevent viewing of sensitive areas
- Digital watermarking of video clips prevents tampering
- Image processor generates 24-bit color images up to 640 x 480 resolution and up to 20 frames per second

Environmental

- Integrated sensors include temperature, humidity, airflow, dewpoint and audio
- Easily add APC NetBotz or 3rd party sensors for monitoring fluid, temperature, vibration, dust particles, radiation, etc. to meet specific monitoring needs

Connectivity

- Supports SSL connectivity to and from the NetBotz 420 appliance for secure transmission of data
- Supports Ethernet 10/100 Mbps standard or optional 801.11b, GSM/SMS, PPP modem

Notification

- Customized alert actions can be configured based on alert type, severity, and time alert occurred
- Base station stores all sensor data and alerts for up to 24 hours
- Notification methods include E-mail, SNMP, HTTP, FTP, SMS
- Supports graphing of up to 24 hours of sensor data
- Supports NAS storage if long-term local data retention is required

Monitoring

- Quickly and easily view the current sensor readings and video clips via a Web browser or the client console application
- SNMP and IPMI monitoring of physical "vital signs" of servers and network equipment

Form Factor

- Available in both wall-mount and 1U rack-mount form factors
- Rack model available with or without camera
- Ideal for medium or small spaces

The NetBotz's intelligent edge architecture enables the integration of a number of sensor types and monitoring points into a single management platform. Physical and environmental information can be managed in a common format, and presented as actionable intelligence, providing a coordinated monitoring and response capability across an entire enterprise.

The result is a predictive, preventative monitoring solution that provides the advance warning necessary to prevent small issues from becoming big disasters, while increasing uptime, product lifecycle and resource efficiency.

Monitoring and controlling critical IT assets in data centers and remote locations is a key component of any preventative management strategy. Yet physical security is often a forgotten aspect of what is otherwise a comprehensive IT security plan.

The NetBotz 420 is available in both a wall-mount and a 1U rack-mount form factor and has the ability to expand monitoring coverage via an additional Camera Pod, Sensor Pods, output control devices, 4-20mA Pods, Rack PDUs, and alternative network connections. The NetBotz 420 provides USB support for one additional Camera Pod 120 or CCTV Adapter Pod 120 and up to four non-camera pods. Optional network connections include 802.11b wireless LAN, GSM/SMS wireless modem and PPP dial modem.



Full featured monitoring, Ideal for small to medium spaces.

Advanced View Console

Using the Advanced View Console, you can quickly and easily view the current sensor readings being reported by cameras, sensors, external sensors connected to NetBotz Sensor Pod 120s, output relay devices and Rack PDUs. You can view a list of all currently active and recently resolved alert conditions, and view the live image sequences captured by the integrated camera, or an external Camera Pod 120 or CCTV Adapter Pod. In addition, the Advanced View Console provides appliance and pod configuration functionality, enabling you to perform all of the tasks necessary for complete management of your NetBotz 420.

Protecting IT Assets from Physical Threats

APC®
Legendary Reliability®

Specifications

NetBotz 420

Housing	Wall Mount: 12.45cmW x 19.55cmH x 2.27cmD, 20 gauge metal Rack Mount: 19" rack mount, 1U, 20 gauge metal
Indicators	Appliance operational/alert status, network speed, network activity, temperature out-of-limit, camera activity, humidity out-of-limit, airflow out-of-limit, sound detected, external sensor violation detected LEDs.
Integrated Camera	Images up to 640x480 resolution, 24-bit color, and up to 20 fps. 48°W by 37°H field of view with standard 4mm lens. Third-party CS-mount 1/3" lenses can be used.
Integrated Sensors	Integrated sensors for temperature, humidity, airflow, audio, and dew point. Temperature sensor range 2°-50°C, accuracy +/-1°C typical. Humidity sensor range 10% to 90% RH non-condensing, accuracy +/-5% RH. Airflow sensor range 0-1000 fpm. (accuracy +/-50 fpm between 0-400 fpm)
Additional Camera Pods	Supports 1 additional camera pod (Camera Pod 120 or CCTV Adapter Pod 120)
Additional Pods	Supports up to 4 additional pods (any combination of Sensor Pod 120s, 4-20mA Pods or supported third party devices)
Connectors	Ethernet: RJ-45 to CAT 5 network wiring. Serial: DB-9 receptacle. Power: +5 VDC power brick. External Device Connectors: 1 USB-A port. Four external sensor ports for NetBotz analog sensors, third party dry contact and 0-5V inputs.
Protocols	TCP/IP, HTTP, SMTP, SNMP, DHCP, DNS, Socks V4 or V5 Proxy server
Network Interfaces	Ethernet 10/100 Mbps standard, optional 802.11b, GSM/SMS, PPP modem
Management Interface	Internet Explorer v 5.5 or later; Netscape Navigator v 4.79, 6.0 or later; Mozilla 1.3 or later
Client System Requirements	Microsoft Windows, (2000 or XP SP1), Red Hat EL 3, Fedora Core 3, or Debian GNU 3. Use of Advanced View interface requires a one-time download of the Java Runtime Environment Plug-in from Sun Microsystems.
Operational Environment	Temperature: 2° to 50° C (35° F to 120° F); Relative Humidity: 10% to 90% (noncondensing); For indoor use only, not designed for use in corrosive or caustic environments.
Screen Resolution	1024 x 768 recommended.
Regulatory Certification	FCC Class A, CE, VCCI on system, C-Tick, UL/CUL

Camera Pod 120

Housing	6.6cmW x 6.9cmH x 2.7cmD, 20 gauge metal.
Imager	Image processor generates images up to 640 x 480 resolution, 24-bit color, and up to 20 fps when used with NetBotz 420.
Lens	35°W by 28°H field of view with standard 8mm C-mount lens with included CS adapter when used with the NetBotz 420. Can be replaced by any CS- or C-mount lens designed for use with a .5" or larger imager.
External Connectors	Door switch sensor. (Magnetic door sensor supplied.)
Camera Motion Sensing	Built in, region maskable, user-defined sensitivity.
Operational Environment	Temperature: 2° to 50° C (35° F to 120° F); Relative Humidity: 10% to 90% (noncondensing); For indoor use only, not designed for use in corrosive or caustic environments.

Sensor Pod 120

Housing	6.6cmW x 9.7cmH x 3.15cmD, 20 gauge metal.
Temperature	Range: 2° to 50°C. Accuracy: +/- 1°C typical.
Relative Humidity	Range: 10% to 90% (non-condensing). Accuracy: +/-5%RH.
Air Flow	Range 40 - 400 fpm (12-122 meters/minute); accuracy +/-50 fpm (+/- 15 meters/minute)
Audio	Built-in acoustic sensor detects audio above specified level.
Indicators	Temperature out-of-limit, humidity out-of-limit, airflow out-of-limit, sound detected, external sensor violation detected.
External Sensor Ports	4 on each Sensor Pod 120. Supports NetBotz analog sensors, third party dry contact and 0-5V inputs.
Operational Environment	Temperature: 2° to 50° C (35° F to 120° F); Relative Humidity: 10% to 90% (noncondensing); For indoor use only, not designed for use in corrosive or caustic environments.

Limited two-year warranty

Product SKUs

APC NetBotz 420 Wall Appliance with Camera	NBWL0420
APC NetBotz 420 Rack Appliance with Camera	NBRK0420
APC NetBotz 420E Rack Appliance (no camera)	NBRK0420E
Camera Pod 120	NBPD0121
Sensor Pod 120	NBPD0122

NetBotz 420 Extended Warranty SKUs

First Year Bridge Software Warranty - Single-Appliance Pak	NBSP0131
First Year Bridge Software Warranty - 5-Appliance Pak	NBSP0132
First Year Bridge Software Warranty - 20-Appliance Pak	NBSP0133
Full Year Extended Warranty Renewal - Single-Appliance Pak	NBSP0141
Full Year Extended Warranty Renewal - 5-Appliance Pak	NBSP0142
Full Year Extended Warranty Renewal - 20-Appliance Pak	NBSP0143
Three Year Extended Warranty - Single-Appliance Pak	NBSP3141
Three Year Extended Warranty - 5-Appliance Pak	NBSP3142
Three Year Extended Warranty - 20-Appliance Pak	NBSP3143



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