



Physical threats, from environmental elements to security breaches, can impair your critical IT assets. Not to mention the damage these threats can do to your critical spaces, such as storage rooms, server rooms and “off limits” areas. It seems difficult to protect your organization against all the dangers to your business continuity, especially when you’re short-staffed. But it isn’t. With APC you get extra protection against the elements. A full line of NetBotz add-on hardware give an enhanced level of security. So no matter what ill wind threatens to blow, you’re protected.

Your NetBotz 500 & 420 are designed to be flexible and expandable by adding a variety of add-on pods and sensors.

Add-On Hardware

APC offers a number of valuable External Sensors that expand the base monitoring capabilities of NetBotz appliances. **External Temperature** and **Humidity Sensors** provide the flexibility to monitor the temperature and humidity of additional areas within a room or rack. The **Particle Sensor** alerts you to the presence of dust or other airborne particulates. The **Fluid Detector** lets you monitor a location for the presence of water and other fluid. **Amp Detectors** enable you to determine how much current is being drawn on circuits. **Dry Contact Sensor Device** support enables you to use a variety of environmental sensors, including those that detect and report on condensation, vibration, glass breakage, UPS and HVAC conditions and more.

Additional Pods

The Sensor Pod 120 includes integrated temperature, humidity, dew point, air flow, and audio sensors, as well as 4 external sensor ports. The Sensor Pod 120 has a USB port that enables the pod to be tethered to the appliance using standard USB cabling.

The Camera Pod 120 features an image processor that generates images up to 1280x1024 resolution, 24-bit color, and up to 30 frames per second on the NetBotz 500 appliance, or up to 640x480 resolution, 24-bit color and up to 20 fps on the NetBotz 420 appliance. Also included are an integrated microphone and standard 3.5mm miniplug microphone jack which enable audio monitoring on the NetBotz 500 only. NetBotz also has a wide angle replacement lens available for purchase.

The NetBotz CCTV Adapter Pod lets you integrate specialized CCTV cameras—such as outdoor, day/night, water-resistant—into your NetBotz monitoring system. Designed for use with a single closed circuit television (CCTV) or other video source, the CCTV Adapter Pod 120 accepts multi format S-Video and Composite Video and features DIN, BNC and RCA input jacks. NTSC, PAL, or SECAM video source input formats are supported.

Output Control

NetBotz 500s or 420s can execute control operations on a variety of APC and third party devices. Individual power outlets can be switched on APC Rack PDUs. If IPMI support is enabled, IPMI control operations can be sent to a server to execute a soft shutdown, power-down, or other operations. The output control functions can be used with a SeaLevel Systems Sea I/O-450U which provides 16 relay outputs rated for switching 60VDC @ 2A each. Output control actions can be executed manually through the Advanced View and Basic View interfaces, or can be configured as automatic alert actions in response to a threshold event.

4-20mA and 0-5V Sensor Support

Thousands of 4-20mA and 0-5V analog sensors are installed in manufacturing and utility operations around the world. By using the NetBotz 4-20mA Sensor Pod and 0-5V Sensor Cable, these sensors may now be connected, collected, correlated and managed at the NetBotz appliance edge device, and then carried upstream via an IP connection to the central management location.

NetBotz’s 4-20mA Sensor Pod collects an analog signal from a wide range of standard third-party 4-20mA sensors, and integrates the information into the NetBotz management system. By integrating these stand-alone devices into the NetBotz solution, they become accessible over the company’s IT network, and can be viewed, monitored, and reported on via the network. The 4-20mA Sensor Pod connects to either a NetBotz 500 or NetBotz 420 via USB. It is USB bus-powered, so an external power supply is not required. If it is connected to a USB hub it must be a powered hub. There are four screw-terminal sensor ports on the 4-20mA Sensor Pod, to accommodate up to four 4-20mA sensors. For connecting three- and four-wire sensors, there is an additional port on the side for supplemental loop power.

The 15-foot 0-5V sensor cable has two leads to connect to a 0-5V sensor.

External Sensors

NetBotz offers a full line of external sensors for use with your NetBotz appliances. The TS100 External Temperature Sensor enables you to monitor temperatures in areas of the rack, cabinet, or room other than the location in which the appliance is installed. The HS100 External Humidity Sensor provides similar functionality, enabling you to monitor humidity at remote locations. Use the FD100 Fluid Detector to monitor a location for the presence of water and other fluids. A PS100 Particle Sensor can alert you to the presence of dust and other particulates. And NetBotz Amp Detectors add electrical current monitoring capability to NetBotz appliances, providing an accurate way to determine how much current is being drawn on circuits.

Dry Contact Device Support

All NetBotz appliances (500/420/320) feature built-in Dry Contact Sensor support that enables you to use devices such as condensation sensors, vibration sensors, glass break sensors, UPS and HVAC dry contact alert ports, and more. The NetBotz Dry Contact Cable is used to connect dry contact devices to the NetBotz appliances or to a Sensor Pod 120.

Extended Storage System

The Extended Storage System enables you to vastly increase the alert and sensor data storage capabilities of your NetBotz 500. The Extended Storage System, connected to your NetBotz 500 base station, increases the total number of resolved alerts and length of time resolved alerts are stored to a maximum of 5000 resolved alerts stored for up to 180 days (without the Extended Storage System, alerts are stored for up to 24 hours). Likewise, the sensor history for all sensors connected to your NetBotz 500 with Extended Storage System is increased to a maximum of 180 days (compared with the standard 24-hour sensor history limit).

Pod Extenders and Extension Cables

APC offers USB Repeater cables which enable positioning of NetBotz pods up to 25m (80 ft) from a NetBotz monitoring appliance. The NetBotz CAT5 Pod Extender extends that distance up to 110m (360 ft), and the Fiber Pod Extender uses fiber optic cable to allow pods to be more than 500m (1,640 ft) away from a NetBotz 500 or 420. With NetBotz sensor extension cables, sensors can be located as far as 35m (115 ft) away from a NetBotz appliance or Sensor Pod. Sensor extension cables are available in 25- and 50-foot lengths in either low smoke, zero halogen, or plenum versions.

Product SKUs

	Product SKU's	
Pods	Camera Pod 120	NBPD0121
	Sensor Pod 120	NBPD0122
	4-20mA Sensor Pod	NBPD0129
	CCTV Adapter Pod 120	NBPD0123
	NetBotz 500 Extended Storage System	NBAS0201
External Sensors	0-5V Sensor Cable	NBAC0231
	Dry Contact Cable	NBDC0001
	External Temperature Sensor TS100	NBTS0100
	External Humidity Sensor HS100	NBHS0100
	External Fluid Detector FD100	NBFD0100B
	External Particle Sensor PS100	NBES0201
	Extension Cable for External Sensors - 25ft, LSZH	NBAC0120L
	Extension Cable for External Sensors - 50ft, LSZH	NBAC0106L
Cable	Extension Cable for External Sensors - 25ft, Plenum-rated	NBAC0120P
	Extension Cable for External Sensors - 50ft, Plenum-rated	NBAC0106P
	USB Extension (Repeater) Cable, 5m, LSZH	NBAC0209L
	USB Cable, 5m, LSZH	NBAC0211L
	USB Extension (Repeater) Cable, 5m, Plenum-rated	NBAC0209P
	USB Cable, 5m, Plenum-rated	NBAC0211P
	USB to Serial RS-232 DB-9 Adapter Cable 6ft	NBAC0226
	Pod Mounting Kit	NBAC0221
Accessories	Mounting Bracket for Camera Pod 120	NBAC0205
	Mounting Bracket for Sensor Pod 120	NBAC0206
	-48V Power Supply (for 420/320)	NBAC0105