



INTRUSION ALARM  
ACCESS CONTROL  
VIDEO SURVEILLANCE  
FIRE DETECTION  
**ALWAYS ON** THE JOB.

## SECURITY PROPOSAL

*for*

Cameron Estates CSD – Gate Camera Upgrades

a) Proposal # 28274-1-0

Presented by: Keith Haines  
khaines@sonitrolsac.com  
Direct: (916) 517-4515  
Mobile: (916) 247-2081

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CSLB# 101-4028  
(800) 266-7111

Sonitrol of Sacramento  
1334 Blue Oaks Blvd  
Roseville, CA 95678

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### Scope Details

Sonitrol will install a new 3xLogic 4 channel NVR inside a new climate-controlled enclosure with a heater and A/C. We will also replace the existing three cameras with a new 5 megapixel & two 2 megapixel cameras. We will run new CAT6 wire to these cameras, using your existing conduit and raceways. The NVR & enclosure will need 120v AC power, and a network connection, provided by Cameron Estates CSD. **THE PRICE & SYSTEM DETAIL IN THIS PROPOSAL ARE PER GATE, AND MAY BE INSTALLED ONE AT A TIME (PHASED).**

#### Work to be performed by others:

- 120v Power & all network connectivity
- Using existing conduit & raceways

#### Provided by Sonitrol:

- All CAT6 wire & equipment listed in scope and proposal/addendum

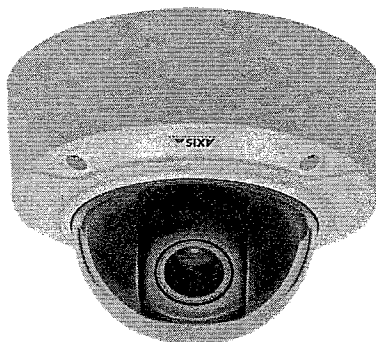
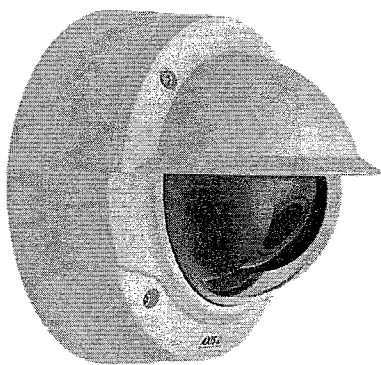
**Per Gate Design & Cost**

QTY	Description
1.00	V250 4CH 2TB NVR W/POE NVR 4IP 2TB
1.00	MIER BW-124ACHT OUTDOOR ENCL. W/AC HEATER
1.00	AXIS 0886-001 P3227-LVE 5.0MP 3.5-10MM VNDL DOME
1.00	AXIS 5505-871 T94T01D PENDANT KIT P32 SERIES
1.00	AXIS 01473-001T91B67 POLE MNT FOR MULTI-SENSOR
2.00	AXIS 2.0MP 3-10MM VNDL DOME WDR-FC P3225-VE MK II/

**Total Proposal Amount**      **\$9,998.00 per gate**  
*The above price includes Tax.*

## AXIS P32 Network Camera Series – Outdoor models

Simply attractive.



- > HDTV 720p/1080p video quality
- > Day/night functionality
- > Remote zoom and focus
- > P-Iris control
- > IK10 vandal resistance
- > Edge storage

AXIS P32 Network Cameras are streamlined, versatile varifocal fixed domes with high image quality day and night and ease-of-installation features at an affordable price. The vandal-resistant cameras are ideal for video surveillance in logistics, retail and other service industries.

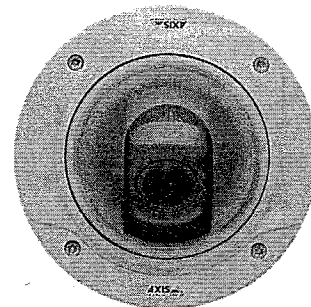
AXIS P32 Series offers two outdoor-ready models: AXIS P3214-VE with HDTV 720p, and AXIS P3215-VE with HDTV 1080p. The cameras provide multiple, individually configurable H.264 and Motion JPEG video streams. With a built-in memory card slot, the cameras enable local storage of video.

The cameras' day/night functionality allows for surveillance in daylight as well as in low-light or nighttime conditions. AXIS P32 Series features the advanced precise iris control that involves a P-Iris lens, together with dedicated software in the camera, to set the best iris position

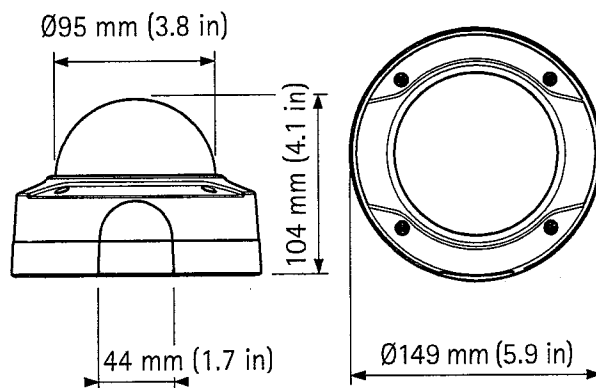
for optimal depth of field, resolution, image contrast and clarity.

The cameras enable efficient installation. The remote zoom and pixel counter capabilities ensure that the camera's angle of view can be optimized for the area to be monitored. The remote focus feature enables convenient focusing over the network, eliminating the need for hands-on fine-tuning at the camera.

The outdoor-ready cameras are IK10-rated, making them resistant to vandalism.

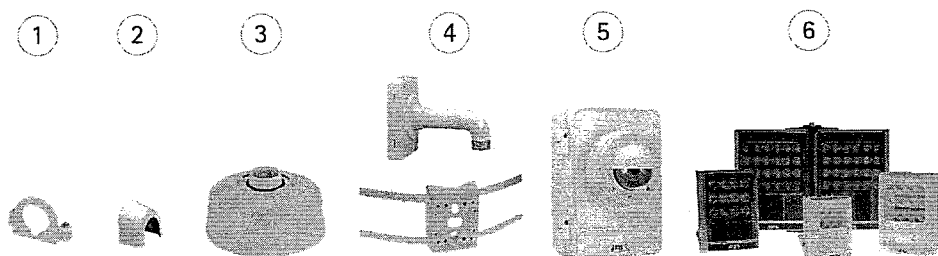


## Dimensions



## Optional accessories

1. *AXIS Conduit Bracket A*
2. *Axis Conduit Adapters*
3. *AXIS P32-VE Pendant Kit including Weather Shield*
4. *AXIS T91 Mounts*
5. *AXIS T98A17-VE Surveillance Cabinet*
6. *AXIS T90B Illuminators*

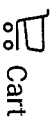


# AXIS P3227-LVE Network Camera

Camera		Built-in installation aids	Remote zoom, remote focus, pixel counter
Image sensor	Progressive scan RGB CMOS 1/2.5"		
Lens	Varifocal, 3.5–10 mm, F1.7 Horizontal field of view: 100°–38° Vertical field of view: 51°–22° Remote zoom and focus, P-Iris control, IR corrected		
Day and night	Automatically removable infrared-cut filter		
Minimum illumination	Color: 0.18 lux at 50 IRE, F1.7 B/W: 0.04 lux F1.7 at 50 IRE, 0 lux with IR illumination on		
Shutter time	1/62500 s to 2 s		
Camera angle adjustment	Pan ±180°, tilt –40 to +75°, rotation ±95°		
Video			
Video compression	H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles Motion JPEG		
Resolution	3072x1728 to 160x90		
Frame rate	25/30 fps with power line frequency 50/60 Hz		
Video streaming	Multiple, individually configurable streams in H.264 and Motion JPEG Axis Zipstream technology in H.264 Controllable frame rate and bandwidth VBR/MBR H.264		
Multi-view streaming	8 individually cropped out view areas.		
Pan/Tilt/Zoom	Digital PTZ, Preset positions		
Image settings	Compression, Color, Brightness, Sharpness, Contrast, Local contrast, White balance, Exposure control (including automatic gain control), Exposure zones, Fine tuning of behavior at low light, Forensic WDR: up to 120 dB depending on scene, Text and image overlay, Mirroring of images, Privacy masks Rotation: 0°, 90°, 180°, 270°, including Corridor Format		
Audio			
Audio input/output	Two-way audio connectivity via AXIS T61 Audio and I/O Interfaces with portcast technology		
Network			
Security	Password protection, IP address filtering, HTTPS <sup>a</sup> encryption, IEEE 802.1X <sup>a</sup> network access control, digest authentication, user access log, centralized certificate management, brute force delay protection, signed firmware		
Supported protocols	IPv4, IPv6 USGv6, HTTP, HTTPS <sup>a</sup> , SSL/TLS <sup>a</sup> , QoS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, Bonjour, UPnP <sup>TM</sup> , SNMP v1/v2c/v3 (MIB-II), DNS, DynDNS, NTP, RTSP, RTP, SRTP, TCP, UDP, IGMP, RTCP, ICMP, DHCP, ARP, SOCKS, SSH, LLDP		
System integration			
Application Programming Interface	Open API for software integration, including VAPIX <sup>®</sup> and AXIS Camera Application Platform; specifications at <a href="http://axis.com">axis.com</a> AXIS Guardian with One-Click Connection ONVIF <sup>®</sup> Profile G, ONVIF <sup>®</sup> Profile S, and ONVIF <sup>®</sup> Profile T specification at <a href="http://onvif.org">onvif.org</a>		
Analytics	Included AXIS Video Motion Detection, active tampering alarm Supported AXIS Digital Autotracking, AXIS Motion Guard, AXIS Fence Guard, AXIS Loitering Guard, AXIS Perimeter Defender, AXIS Demographic Identifier Support for AXIS Camera Application Platform enabling installation of third-party applications, see <a href="http://axis.com/acap">axis.com/acap</a>		
Event triggers	Analytics, edge storage events, virtual inputs through API		
Event actions	Record video: SD card and network share Upload of images or video clips: FTP, SFTP, HTTP, HTTPS, network share and email Pre- and post-alarm video or image buffering for recording or upload Notification: email, HTTP, HTTPS, TCP and SNMP trap Overlay text, IR illumination on/off		
Data streaming	Event data		
		General	
		Casing	IP66- and NEMA 4X-rated, IK10 impact-resistant casing with hard-coated dome and dehumidifying membrane Encapsulated electronics and captive screws Color: white NCS S 1002-B For repainting instructions of skin cover or casing and impact on warranty, contact your Axis partner.
		Mounting	Mounting bracket with holes for junction boxes (double-gang, single-gang, and 4" octagon) and for wall or ceiling mount 1/4"-20 UNC tripod screw thread
		Sustainability	PVC free
		Memory	1 GB RAM, 512 MB Flash
		Power	Power over Ethernet (PoE) IEEE 802.3af/802.3at Type 1 Class 3, max 11.5 W, typical 8.4 W
		Connectors	RJ45 10BASE-T/100BASE-TX PoE Audio and I/O connectivity via AXIS T61 Audio and I/O Interfaces with portcast technology
		IR illumination	Optimized IR with power-efficient, long-life 850 nm IR LEDs. Range of reach 30 m (100 ft) or more depending on the scene
		Storage	Support for microSD/microSDHC/microSDXC card SD card encryption Support for recording to network-attached storage (NAS) For SD card and NAS recommendations see <a href="http://axis.com">axis.com</a>
		Operating conditions	–40 °C to 50 °C (–40 °F to 122 °F) Start-up: –30 °C to 50 °C (–22 °F to 122 °F) Maximum temperature (intermittent): 55 °C (131 °F) Humidity 10 to 100% RH (condensing)
		Storage conditions	–40 °C to 65 °C (–40 °F to 149 °F) Humidity 5–95% RH (non-condensing)
		Approvals	EMC EN 55032 Class B, EN 50121-4, IEC 62236-4, EN 55024, EN 61000-6-1, EN 61000-6-2, FCC Part 15 Subpart B Class A and B, ICES-003 Class B, VCCI Class B, RCM AS/NZS CISPR 22 Class B, KCC KN32 Class B, KN35 Safety IEC/EN/UL 60950-1, IEC/EN/UL 60950-22, IEC/EN 62471, IS 13252 Environment IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-14 IEC 60068-2-6 (vibration), IEC 60068-2-27 (shock), IEC 60068-2-30, IEC 60068-2-78, IEC/EN 60529 IP66, NEMA 250 Type 4X, IEC/EN 62262 IK10 Network NIST SP500-267
		Dimensions	Height: 104 mm (4 1/16 in) ø 149 mm (5 7/8 in)
		Weight	750 g (1.7 lb) including weathershield
		Included accessories	Installation guide, Windows decoder 1-user license, mounting bracket, cable gasket, Resistor <sup>®</sup> T20 L-key, drill template, connector guard, weather shield
		Optional accessories	AXIS T6101 Audio and I/O Interface AXIS T6112 Audio and I/O Interface AXIS ACI Conduit Bracket A AXIS ACI Conduit Adapters AXIS T94M01L Recessed Mount Kit AXIS T94T01D Pendant Kit including weather shield AXIS Mounts AXIS P32-VE Smoked Dome A
		Video management software	AXIS Companion, AXIS Camera Station, video management software from Axis' Application Development Partners available on <a href="http://axis.com/vms">axis.com/vms</a>
		Languages	English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Traditional Chinese
		Warranty	Axis 3-year warranty and AXIS Extended Warranty option, see <a href="http://axis.com/warranty">axis.com/warranty</a>

- a. *This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit. (www.openssl.org), and cryptographic software written by Eric Young (eay@cryptsoft.com).*

Environmental responsibility:  
[axis.com/environmental-responsibility](http://axis.com/environmental-responsibility)



Cameras with Axis' Lightfinder technology have extreme light sensitivity. Such cameras can deliver color images in as little light as 0.18 lux or lower.

Compared with any analog or network cameras, the Lightfinder technology will give more life-like colors in low-light conditions.

The noise reduction of the Lightfinder technology is vastly improved compared with any surveillance camera on the market, which in combination with the light sensitivity of the sensor gives a superior image quality.

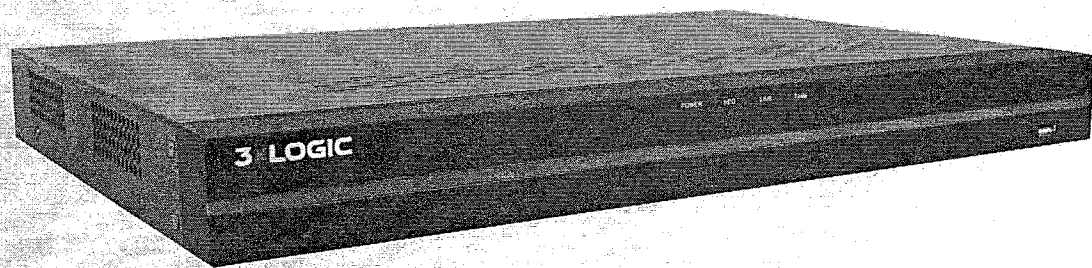
### Key Features of the **Axis P3225-VE MK II 0953-001 (X 2)**

- CMOS 1/2.8"
- 3~10.5mm Varifocal Lens
- Horizontal angle of view 92°-34°
- Vertical angle of view 50°-20°
- Full HD 1080p
- 1920x1080 @ 30/60fps (WDR/Non-WDR)
- Wide Dynamic Range
- Pan ±180°, tilt -5 to +75°, rotation ±95°
- H.264 and MJPEG
- Zipstream Technology
- Vandal and Weatherproof

Accessories: Installation Guide, Windows decoder 1-user license, Mounting bracket, Cable gasket, Resistorx T20 L-key, Drill template

Warranty: Axis 3-year warranty





# VIGIL V250 Series NVR

## TECHNICAL OVERVIEW | VIGIL™ V250 Series NVR Solution

### SERVER

Memory:	V250-4-2TB: 2GB V250-8-4TB: 2GB
Video Output:	1, HDMI (1920x1080) 1, VGA (1920x1080)
Keyboard and Mouse:	Included
CPU:	Intel Celeron @2.0 GHz

### STORAGE

Storage Capacity:	V250-4-2TB: 2TB V250-8-4TB: 4TB
Drive Type:	3.5" SATA HDD
Hard Drive Weight:	2TB: 1.35lb 4TB: 1.5lb

### IP CAMERA SUPPORT

Camera Inputs:	V250-4-2TB: 4 channels V250-8-4TB: 8 channels
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### AUDIO SUPPORT

Audio In/out:	1, 1/8" audio jack in 1, 1/8" audio jack out
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### External Interface

Network Interface:	1, RJ45 10M/100M/1000Mbps self adaptive ethernet interface
Camera Interface:	4/8 dependant on model, RJ45 10M/100Mbps self adaptive ethernet interface, support PoE power supply
USB Interface:	3, USB 2.0 1, USB 3.0
Serial Interface:	1, RS-232
Alarm Interface:	4, Alarm Input 2, Alarm Output

### MONITOR OUTPUTS

1 HDMI, 1 VGA (Cannot Operate Both Simultaneously)

### PRE-LOADED SOFTWARE

Video Management:	VIGIL Video Management Systems (VMS) Software
Operating System:	Microsoft Windows 7 Embedded

### ENVIRONMENTAL

Operating Temperature:	32° to 113° Fahrenheit / 0° to 45° Celsius
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### WARRANTY

Hardware Warranty:	3 years
Software Subscription:	3 Years (included)

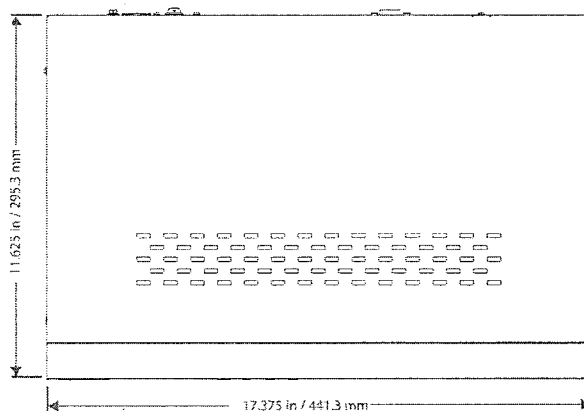
### ELECTRICAL

Voltage:	48VDC, 2.5A
Power Requirement:	V250-4-2TB: 57W Max V250-8-4TB: 84W Max

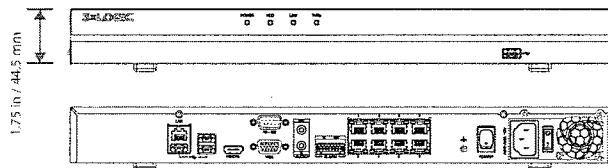
### PHYSICAL

Weight-Excluding Hard Drives (lbs/kg):	4.4 lbs / 2 kg
Dimensions:	1U
Width (inches/cm):	17.375 in. / 441.3 mm
Depth (inches/cm):	11.625 in. / 295.3 mm
Height (inches/cm):	1.75 in. / 44.5 mm

#### TOP



#### FRONT/BACK



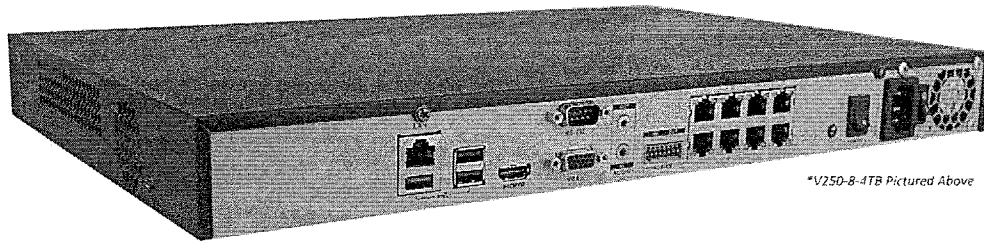
# 3xLOGIC

10225 Westmoor Drive, Suite 300, Westminster, CO 80021 | [www.3xlogic.com](http://www.3xlogic.com) | (877) 3XLOGIC

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## Product Overview

VIGIL™ V250 Series Network Video Recorders (NVR) are fully-integrated intelligent video appliances. Pre-configured with VIGIL Video Management System (VMS) software, these 1U NVRs represent a cost-effective video management platform that provides all the key functionality of VIGIL VMS with unrivaled ease of setup.



\*V250-8-4TB Pictured Above

## Single Solution

The V250 design provides all the network components required to deploy your VMS. Not only are alarm, serial, and audio inputs built-in, this series includes 4 or 8 embedded PoE ports for your IP devices.

## Your Video - Anytime, Anywhere

VIGIL's exclusive MULTIVIEW Technology and its revolutionary RapidStream™ video compression engine, enable users to remotely stream and view high-definition video with minimal impact on network bandwidth.

## Integrates with Your Business

Monitor your business with an integration to a wide variety of data sources including Point-of-Sale, ATM, access control, alarms, and audio devices. This data can be tied to video, made searchable, and generate alarms based on specific criteria.

## Extensive Additional Features

VIGIL™ V250 Series NVRs feature many built-in capabilities. With two-way audio, easy-to-use Smart Search, and seamless integration to the V-Series VISIX™ camera line for video analytics you have the information you need, at your fingertips.

## Setup and Deployment Made Easy

Designed for simple setup, the V250 Series includes a setup wizard to allow those with no IP video experience to set up their DVR and start recording and viewing video. The wizard also provides plug-and-play capability with VISIX™ and ONVIF-S cameras for easy deployment. The V250 also includes VIGIL Connect and our easy-to-use QR code for easy setup of remote viewing.

## Key Features

- Highly-efficient, versatile 1U chassis – can be used as a rack-mount or desktop
- Pre-configured with 3xLOGIC's renowned VIGIL™ (VMS) Software
- Up to 4 TB of storage (2TB on V250-4-2TB)
- Microsoft Windows Embedded 7 Standard Operating System
- 1 x dedicated RJ45 10M / 100M / 1000 Mbps NIC for easy network deployment
- 4/8 x dedicated RJ45 10M / 100Mbps PoE ports for network IP devices
- 1 x RS-232 serial port for external communications
- 3 x 2.0 USB ports
- 1 x 3.0 USB port
- 4 - Alarm In / 2 - Alarm Out
- HDMI and VGA Video Output (cannot operate both simultaneously)

## Part Numbers

MODEL	DESCRIPTION
V250-4-2TB	V250 Series appliance with 2TB video storage, 4 port PoE switch built-in and 4 IP camera licenses
V250-8-4TB	V250 Series appliance with 4TB video storage, 8 port PoE switch built-in and 8 IP camera licenses

## Optional Components

Part Number	DESCRIPTION
-RU	Relay Server License - Unlimited
VGL-SW-SVR-POS	VIGIL Server POS License, single (1) server, multi point-of-sale terminals
VGL-SW-SVR-PANA	VIGIL Server 360 Dewarping License, single (1) camera



# Mier Products' "FC Series"

## Outdoor, NEMA 3R, Fan-Ventilated, Electrical Enclosures

FC Series units include

- *UL Listed fans*
- *Filter kits*
- *Thermostats*
- *Protective Shrouds for NEMA 3R rating*
- *Exterior mounting ears*
- *Air-intake and air-exhaust ports*
- *Locking and screw-down doors*

Options include windows, pole-mount kits and 12V, 24V, 48V, or 230V Fans!

### 16 & 14 Gauge Metal Models with Outdoor ASA70 Gray Powder-Coat

#### **BW-124-8-FC**

24"W x 24"H x 8"D with a 115V, 131 cubic-foot/min. fan, thermostat, a removable back-panel, shrouds, gaskets, quarter-turn latches and a tubular lock

#### **BW-124FC**

24"W x 24"H x 12"D with a 115V, 300 cubic-foot/min. fan, thermostat, a removable back-panel, shrouds, gaskets, quarter-turn latches and a tubular lock

#### **BW-136FC**

24"W x 36"H x 12"D with a 115V, 300 cubic-foot/min. fan, thermostat, a removable back-panel, shrouds, gaskets, quarter-turn latches and a tubular lock

#### **BW-RACKFC**

22"W x 12RU H x 24"D with a 120V, 300 cubic-foot/min. fan, thermostat, an internal 19" rack, shrouds, gaskets, quarter-turn latches and a tubular lock

### Polycarbonate, Non-Metallic Models

#### **BW-FC16147**

16"W x 14"H x 7"D non-metallic, with a 115V, 81 cubic-foot/min. fan, thermostat, internal standoffs for back-panels, panel adjustment rails, and pad-lockable latches

#### **BW-FC181610**

18"W x 16"H x 10"D non-metallic, with a 115V, 81 cubic-foot/min. fan, thermostat, internal standoffs for back-panels, panel adjustment rails, and pad-lockable latches

#### **NEW BW-FC20168**

20"W x 16"H x 8"D non-metallic, with two 115V, 81 cubic-foot/min. fans, thermostat, internal standoffs for back-panels, panel adjustment rails, and pad-lockable latches

#### **BW-FC242410**

24"W x 24"H x 10"D non-metallic, with two 115V, 81 cubic-foot/min. fans, thermostat, internal standoffs for back-panels, panel adjustment rails, and pad-lockable latches

