

Technical Specifications

Bidders must state “Comply” in the column “Statement of Compliance” against each of the individual parameters of each “Specifications.”

Item	Specification	Quantity	Statement of Compliance
1	<p>Dome Network Camera At least 2MP Network IR Fixed Dome Camera Sensor: 1/2.7", 2.0 megapixel, progressive scan, CMOS Lens: 2.8mm @ F1.8 Shutter: Auto/Manual, 1/6-1/100000s Minimum Illumination: Colour: 0.01 Lux (F.18, AGC ON) 0 Lux with IR Day/Night: IC-cut filter with auto switch (ICR) Digital Noise Reduction: 2D/3D DNR IR Range: Up to 30m (98ft) IR range Video Compression: Ultra 265, H.264, M JPEG Frame Rate: Main Stream: 2MP (1920*1080), Max 25fps; Sub Stream: At least 2MP (1280*720) Max 25 fps Third Stream: D1 (720*576), Max 25fps H.264 code profile: Baseline profile, Main Profile, High Profile Network: At least 1 RJ45 10M/100M Base-TX Ethernet Power: DC 12V±25%, PoE (IEEE 802.3af), Power consumption: Max 5.0W Compatible Integration: ONVIF (Profile S,) API Compatibility: IP camera must be compatible with the existing Network Video Recorder Warranty: At least one [1] Year Warranty</p>	20	
2	<p>PoE Managed Switch Switch port and speed: At least 48-port 10/100/1000 Mbps switch Managed 10G SFP port At least Port 10G SFP (x2) PoE: At least 48-ports POE switch Patch Cable: At least 2 meters fiber optic patch cable with 10G SFP connector (x2) Layer and Manage: At least Layer 2 Switch, Manageable Warranty: At least one [1] Year Warranty</p>	4	
3	<p>Access Point Antenna Gain: Up to 3 dBi Channel Fly: Yes Concurrent Users: 512 Controller Support: Standalone, Wireless Controller, Cloud Wi-Fi Ethernet Ports: At least 2 x 1GbE IoT Ready: Yes PHY Rate at 2.4 GHz, maximum: 450 Mb/s PHY Rate at 5 GHz, maximum: 1300 Mb/s End user Support: Yes POE Adapter: Yes Mounting Bracket: Yes Mesh: Yes USB: At least USB 2.0 Wi-Fi Interface Standard: IEEE 802.11a/b/g/n/ac Wi-Fi Interface Standard at 2.4 GHz: 802.11n Wi-Fi Interface Standard at 5 GHz: 802.11ac Compatibility: Access Point must be compatible with the existing Wireless Controller (Ruckus Zone Director 1200) Warranty: At least one [1] Year Warranty</p>	10	

4	<p>IP Phone HD Voice: Yes PoE Support: Yes LCD: At least 132 x 64-pixel graphical LCD Ethernet: At least Dual-port Gigabit Ethernet Codec Support: Yes Headset support: Yes Power Supply: Yes Wall mountable: Yes IPv6 Support: Yes Compatibility: IP Phone must be compatible with the existing IP Phone System Warranty: At least one [1] Year Warranty</p>	18	
5	<p>Firewall Appliance Firewall throughput: 38,000 Mbps Firewall: 22,000 Mbps Firewall Latency (64 byte UDP): 4 μs IPS throughput: 9,820 Mbps THREAT PROTECTION: 2000 Mbps Concurrent connections: 12,260,000 New connections/sec: 186,500 SSL/TLS Inspection: 2,470 Mbps IPsec VPN Throughput: 5,200 Mbps SSL/TLS Concurrent Connections: 55,296 Storage (local quarantine/logs): integrated min. 240GB SATA -III SSD ETHERNET INTERFACES: At least 8x GbE copper; At least 2x GbE SFP Fiber; At least 2x 10 GbE SFP+ Fiber I/O ports: 2x USB 3.0 (front) ; 1 x USB 2.0 (rear) Number of Port Slots: 1 Mounting: At least 1U rack mount Firewall Licenses: Central Firewall Management</p> <ul style="list-style-type: none"> - Cloud-based management and reporting for multiple firewalls provides group policy management and a single console - Group policy management allows objects, settings, and policies to be modified once and automatically synchronized to all firewalls in the group - Task Manager provides a full historical audit trail and status monitoring of group policy changes - Backup firmware management which stores the last five configuration backup files for each firewall with one that can be pinned for permanent storage and easy access - Firmware updates which offer one-click firmware updates to be applied to any device and then exported for loading onto the device from a flash drive at startup. <p>Group firewall management via the Partner Dashboard</p> <ul style="list-style-type: none"> - Firmware update scheduling - Intrusion Prevention (IPS) - High-performance, next-gen IPS deep packet inspection engine with selective IPS patterns that can be applied on a firewall rule basis for maximum performance and protection Zero-day threat protection - Perimeter Defenses - Thousands of signatures - Granular category selection - Support for custom IPS signatures 	1	

	<ul style="list-style-type: none"> - IPS Policy Smart Filters enable dynamic policies that automatically update as new patterns are added <p>Web Protection and Control</p> <ul style="list-style-type: none"> - Fully transparent proxy for anti-malware and web-filtering - Enhanced Advanced Threat Protection - URL Filter database with millions of sites across 92 categories backed by OEM Labs - Surfing quota time policies per user/group - Access time policies per user/group - Malware scanning: block all forms of viruses, web malware, trojans and spyware on HTTP/S, FTP and web-based email - Advanced web malware protection with JavaScript emulation - Live Protection real-time in-the-cloud lookups for the latest threat intelligence - Second independent malware detection engine for dual-scanning - Real-time or batch mode scanning - Pharming Protection <p>Cloud Firewall Reporting</p> <ul style="list-style-type: none"> - Pre-defined reports with flexible customization options - Reporting for Firewalls (hardware, software, virtual, and cloud) - Intuitive user interface provides graphical representation of data - Report dashboard provides an at-a-glance view of events over the past 24 hours - Easily identify network activities, trends, and potential attacks - Easy backup of logs with quick retrieval for audit needs - Simplified deployment without the need for technical expertise - Create custom reports with powerful visualization tools <p>Cloud Firewall Reporting</p> <ul style="list-style-type: none"> - Pre-defined reports with flexible customization options - Reporting for Firewalls (hardware, software, virtual, and cloud) - Intuitive user interface provides graphical representation of data - Report dashboard provides an at-a-glance view of events over the past 24 hours - Easily identify network activities, trends, and potential attacks - Easy backup of logs with quick retrieval for audit needs - Simplified deployment without the need for technical expertise - Create custom reports with powerful visualization tools <p>On-Box Reporting</p> <ul style="list-style-type: none"> - Hundreds of on-box reports with custom report options: Dashboards (Traffic, Security, and User Threat Quotient), Applications (App Risk, Blocked Apps, Synchronized Apps, Search Engines, Web Servers, Web Keyword Match, FTP), Network and Threats (IPS, ATP, Wireless, Security Heartbeat, Sandstorm), VPN, Email, 		
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	<p>Compliance (HIPAA, GLBA, SOX, FISMA, PCI, NERC CIP v3, CIPA)</p> <ul style="list-style-type: none"> - Built-in storage for unlimited log data storage for historical reporting - Current Activity Monitoring: system health, live users, IPsec connections, remote users, live connections, wireless clients, quarantine, and DoS attacks - Report anonymization - Report scheduling to multiple recipients by report group with flexible frequency options - Export reports as HTML, PDF, Excel (XLS) - Report bookmarks - Log retention customization by category - Syslog Support <p>Others:</p> <ul style="list-style-type: none"> - Installation, Configuration & free End user Training - Compatibility: Firewall must be Compatible and can be integrate with the existing Endpoint Solutions - Warranty: At least one [1] Year Subscription/Warranty 		
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