



Red Piranha

# CRYSTAL EYE SERIES 20



## Australia's first Extended Detection & Response (XDR) solution and the World's most powerful XDR platform

Our Series 20 XDR security appliance is the ideal solution to defend your small business or branch-office from cyber threats supporting multiple internet connections of up to 250Mb/s each with the full range of features enabled and actively protecting your network.







Crystal Eye 20 delivers powerful, flexible protection for up to 50 users across multiple devices and network segments. Combined with our range of integrated services, our desktop devices are an easy to deploy, easy to manage, effective security solution.

Through Crystal Eye's powerful threat intelligence system, the platform processes over 19-million Indicators of Compromise (IoC) per day using real-time visibility & analytics to enable automated actionable intelligence.

### Complete XDR Platform

-  Integrated XDR capabilities
-  Automated Actionable Intelligence
-  Multi-layered security delivering defence in depth
-  Built-In Compliance Feature Set
-  Risk Assessment Reports
-  Vulnerability Scanning

### Full Network Control

-  Network Security Monitoring
-  Advanced deep-packet inspection and decryption
-  Instant SOC & embedded SIEM solution
-  On-demand PCAP forensic analysis and logging
-  Gateway application whitelisting
-  Extended log processing, retention & policy management controls

|                                 |         |   |
|---------------------------------|---------|---|
| Firewall throughput:            | 2Gbps   | The maximum capacity between two ports of the same bandwidth with no packet loss.   |
| IDPS throughput:                | 800Mbps | The maximum volume of data that can be processed by the Intrusion Detection & Prevention modules with no packet loss.   |
| True Security Throughput (TST): | 250Mbps | The lab tested peak load with all security features turned on and processing a typical enterprise network profile: 76% http(s) web browsing, 12% real-time applications (VoIP, Video conferencing) and 12% other traffic types. |

# SPECIFICATIONS

## Processing System

Intel Generation 13 Core i3 13100, 4 Cores, 4.5GHz  
Z790 Chipset, Socket 1700

## Memory Capacity

32GB DDR5

## Networking capacity

- 1x Intel Gb WAN port
- 1x RTL8125 2.5Gb WAN port
- Quad GbE Network
- Wireless 802.11ax

## Interfaces

6x USB 3.1  
2x USB 2.0

## Stateful Inspection Firewall Features

- Multiple Security Zones
- Location-aware and Device-aware Identity-based Access
- Control Policy
- Security Policies – IPS, Web Filtering, Application Filtering, Anti-virus, Anti-spam and QoS
- Policy based Source and Destination NAT, Gateway Specific NAT Policy
- MAC & IP-MAC Filtering
- Spoof Prevention

## Gateway Anti-Virus & Anti-Spyware Features

- SSL Mismatch Detection
- Cloaked URL Detection
- Virus, Worm, Trojan Detection and Removal
- Spyware, Malware, Phishing Protection
- Scans HTTP, HTTPS, FTP, SMTP/S, POP3, IMAP, IM, SMB, VPN Tunnels
- Customised Individual User Scanning
- Scan and deliver by file size
- Block by file types

## Web Filtering Features

- More than 130 categories
- Auto category updates
- Exception list
- IP or hostname based
- Controls based on URL, Keyword and File type
- Protocols supported: HTTP, HTTPS
- Block malware, Phishing, Pharming URLs
- Block java Applets, Cookies, Active X, Google Cache pages
- Data leakage control by blocking HTTP and HTTPS upload
- Banned phrase list, YouTube for Schools
- Custom Denied Message per Web Category

## SD WAN Support

- IPSEC VPN for site to site communications
- Authentication – Active Directory, LDAP, RADIUS,
- Multi-layered Client Authentication – Certificate, Username/Password
- Lightweight SSL VPN Tunnelling Client
- TCP based Application Access – HTTP, HTTPS, RDP, TELNET, SSH Wireguard SSL VPN

## AI and Automated Actionable Intelligence

- AI rule matching to detect anomalies in network traffic
- Automatic defence rules from over 19 million IOC's processed daily
- Machine learning smart detection of network based SSH attacks

## End Point Application Whitelisting (CEASR)

- Easy Device application mapping
- Ability to whitelist known good device Applications from the gateway
- Protect against Zero-day attacks
- Deal with encrypted malicious traffic with one click

## Advanced Compliance Features

- Azure AD threat analysis
- Vulnerability Scanning
- DLP Alerting and Blocking

## Intrusion Prevention System Features

- 5 managed rule sets, comprising of 58k+ rules updated daily from the latest threats
- HTTP/TLS/DNS Logging
- Actions – Alert, Drop, Reject, Pass
- Auto IPS Updates from Red Piranha threat intelligence sharing platform
- Protocol Anomaly Protection
- SCADA, IIot and IIoT Aware
- VoIP and SIP protocol reporting
- Easy tuning in dashboards to reduce false positives

## Application Filtering Features

- Layer 7 (Application) & Layer 8 (User) Control and Visibility
- Inbuilt Application Category Database
- Visibility and Controls for HTTPS based micro-apps like Facebook chat, YouTube video upload

## SD WAN Features

- TCP & UDP Tunnelling
- Authentication – Active Directory, LDAP, RADIUS, Local
- Multi-layered Client Authentication – Certificate, Username/Password, MFA
- Lightweight SSL VPN Tunnelling Client
- TCP based Application Access – HTTP, HTTPS, RDP, TELNET, SSH

## Bandwidth Management Features

- QoS Policies
- Guaranteed & Burstable bandwidth policy
- Application & User Identity based Traffic Discovery
- Data Transfer Report for multiple Gateways

## Networking Features

- Automated Failover/Failback
- Interface types: Alias, Multisport Bridge, LAG (port trunking), VLAN, WWAN, TAP
- Multiple DHCP Servers support
- Supports HTTP proxy, Parent proxy with FQDN
- Dynamic Routing: RIP v1&v2, OSPF, BGP
- IPv6 Support: Dual Stack Architecture: Support for IPv4 and IPv6 Protocols
- IPv6 Route: Static and Source

## Administration & System Management Features

- Web-based configuration wizard
- Role-based Access control
- Firmware Upgrades via Web UI
- Web 2.0 compliant UI (HTTPS)

## User Authentication Features

- Internal Database
- Microsoft Active directory connector
- Internal active directory server

## Storage System/Optional Extended Storage (max)

System : 1 x 240GB M.2 NVMe  
Extended : 8TB SSD

## Dimensions

|           |                           |
|-----------|---------------------------|
| W x D x H | 280mm(w) 300mm(d) 80mm(h) |
| Weight    | 5Kg                       |

## General Details

1 x HDMI port, NVMe M.2 Main Storage GEN4 5TB/sec transfer, 6Gb/s SATA 3 extended storage subsystem  
Voltage spike protection  
802.3az (Energy Efficient Ethernet) support  
Certifications: FCC, CE

## Power

|               |                     |
|---------------|---------------------|
| Input Voltage | 110 VAC/220-240 VAC |
|---------------|---------------------|

AUTOMATED  
PROTECTION

AUTOMATED  
DETECTION

AUTOMATED  
RESPONSE