Secureye

DATA SHEET

2HDD

20CH NVR

I/B/K/V3.1

SP-R220

Vivid Pro Series

KEY FEATURES

- Up to 20-ch IP camera accesses
- Incoming/Outgoing bandwidth: 160Mbps/64Mbps
- S+265, H.265, S+264, H.264 video formats
- Max. decoding capability: 8MP(30fps)×2 or 1080P(30fps)×8
- 16-ch synchronous playback
- Up to 10 TB capacity for each HDD
- Simultaneous HDMI and VGA outputs
- HDMI output at up to 4K resolution
- 1×RJ-45, 10/100/1000 Mbps self-adaptive Ethernet port
- S+ 265 compression effectively reduces the storage space by up to 75%
- Support cloud upgrade

PHOENIX

Secureye

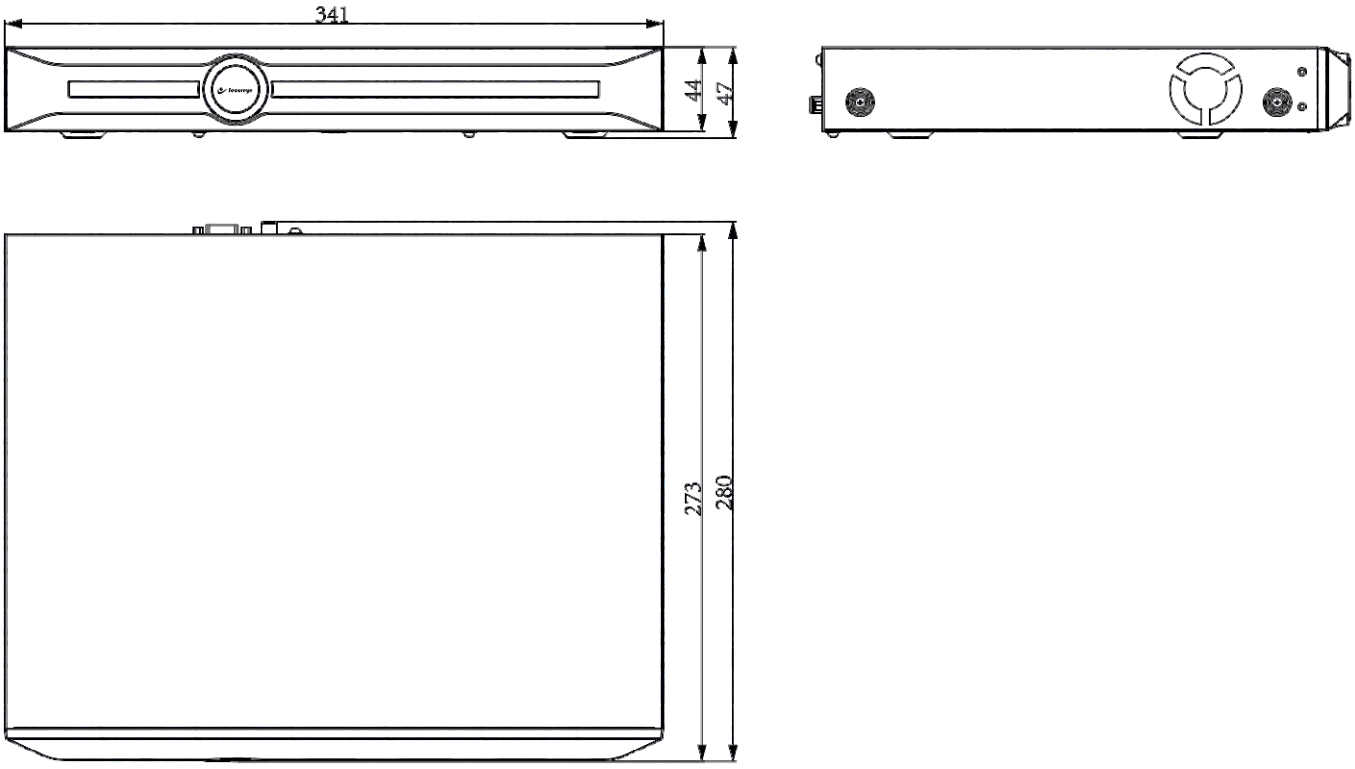
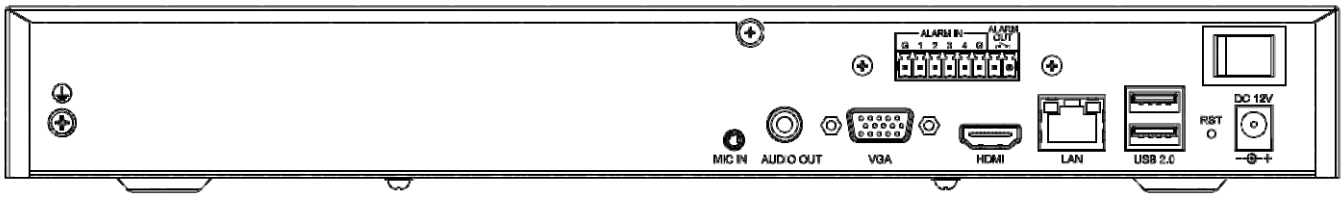
DATA SHEET
SP-R220

SPECIFICATIONS

Video and Audio	
Access Channel	20
Incoming Bandwidth	160Mbps
Outgoing Bandwidth	64Mbps
Resolution	8MP/6MP/5MP/4MP/3MP/1080P/UXGA/720P/VGA/4CIF/DCIF/2CIF/CIF/QCIF
Preview Decoding Capability	8MP(30fps)×2, 6MP(30fps)×2, 5MP(30fps)×3, 4MP(30fps)×4, 3MP(30fps)×5, 1080P(30fps)×8, 720P(30fps)×16, 4CIF(30fps)×20; *: The length or width of camera resolution (each track) cannot exceed 4096 pixels.
Playback Decoding Capability	8MP(30fps)×2, 6MP(30fps)×2, 5MP(30fps)×3, 4MP(30fps)×4, 3MP(30fps)×5, 1080P(30fps)×8, 720P(30fps)×16
Third-party Camera Access	ONVIF; RTSP
HDMI Output	HDMI: 1024×768(60Hz), (720P)1280×720(50Hz/60Hz), 1280×800(60Hz), 1440×900(60Hz), (1080P)1920×1080(50Hz/60Hz), (2K)2560×1440(30Hz), (4K)3840×2160(30Hz)
VGA Output	VGA: 1024×768(60Hz), (720P)1280×720(50Hz/60Hz), 1280×800(60Hz), 1440×900(60Hz), (1080P)1920×1080(50Hz/60Hz)
Multi-screen Display	Simultaneous Output: VGA: 1/2/3/4/5/6/7/8/9/10/12/13/16/20A/20B/20C/20D/25 HDMI: 1/2/3/4/5/6/7/8/9/10/12/13/16/20A/20B/20C/20D/25
Audio Input	1-ch, 3.5mm
Audio Output	1-ch, RCA (Linear, 1 KΩ)
Two-Way Audio	1-ch, 3.5mm, using the audio input
Compression	
Video	S+265; H.265; S+264; H.264
Audio	G711A; G711U; AAC; ADPCM_DIV4
Stream Type	Video; Video & Audio
Network	
Network Protocol	802.1X; ARP; DDNS; DHCP; DNS; Easy DDNS; FTP; HTTP; HTTPS; ICMP; IGMP; IPv4; IPv6; Multicast; NFS; NTP; PPPoE; RTCP; RTP; RTSP; SMB/CIFS; SMTP; SNMP v1/v2/v3; SRTP; SSH; SSL; TLSv1.2; TCP/IP; UDP; Unicast; UPnP
Mobile Phone Access	Phoenix Live Pro
Client	Secureye Smart Client System
System Compatibility	ONVIF(Profile S/T/G); RTSP; CGI; SDK
Web	IE10+; Firefox52+; Edge89+; Safari11+; Chrome57+
Record Playback	
Multi-channel Playback	16
Record Mode	Manual Recording; Alarm Recording; Schedule Recording
Storage Method	Local HDD
Backup	USB storage device, Network
Playback Function	Play/Pause/Stop/Slow/Speed/Backwards 30s/Forwards 30s/Full Screen/Backup (Video Editing)/Step/ Digital Zoom
Dual Stream Record	Yes
Alarm	
General Alarm	Motion Detection; Mask Alarm; Alarm Input(IPC); Alarm Input(NVR); Manual Alarm

Exceptions Alarm	Video Loss; IP Conflict; MAC Conflict; Network Disconnected; No Disk; Illegal Access; Disk group space alert; Disk Full; Disk R/W Error; Recording Abnormal; Abnormal found in smart of disk; Abnormal temperature of the disk; Hot-spare Exception; Voltage Alarm(IPC); RTC Failure
Intelligent Analytics	
AI by Camera	Tripwire; Double Tripwire; Perimeter; Object Abandon; Object Missing; Loiter; Running; Parking; Heatmap; Video Abnormal; Audio Abnormal; On Duty Detection; Crowd Detection; Safety Helmet Detection; People Counting; Link to Tracking; Smoke and Fire Detection; Environmental Temperature Measurement; Face Detection; Human Body Temperature Measurement; Smart Motion; Human/ Vehicle Classification
VCA Search	Heatmap; Early-warning Search; Behavior Search; Thermographic Retrieval; Duty Search; Face Search
Face Detection	
Face Attributes	Gender; Age
Storage	
HDD Capacity	Up to 10 TB capacity for each HDD
Disk Group	2 Disk Group
External Port	
USB	2×USB2.0
HDMI	1×HDMI(supports up to 4K resolution output)
VGA	1×VGA
Network Interface	1×RJ-45, 10/100/1000 Mbps self-adaptive Ethernet port
SATA	2×SATA interface
Alarm I/O	4-ch, TTL inputs, 3mA, 3.3VDC; 1-ch, relay output, 1A, 24VDC
General	
UI Language	English; Spanish; Italian; Turkish; French; Polish; German; Ukrainian
Power Supply	DC12V 3.3A
Power Consumption	<10W(HDD not included, idling)
NetWeight	1.6 kg
GrossWeight	3kg
Boundary Dimensions	341(L)273(W)47(H)mm
Package Dimensions	415(L)140(W)375(H)mm
Operating Temperature	-10℃~+55℃ (+14℉~+131℉)
Operating Humidity	10%~90%RH (non-condensing)
Storage Temperature	-20℃~+60℃ (-4℉~+140℉)
Package Kit	Network Video Recorder; Screw Pack; Mouse; Power Adapter; European Standard Power Cord

DIMENSIONS (Unit: mm)



Physical Interfaces