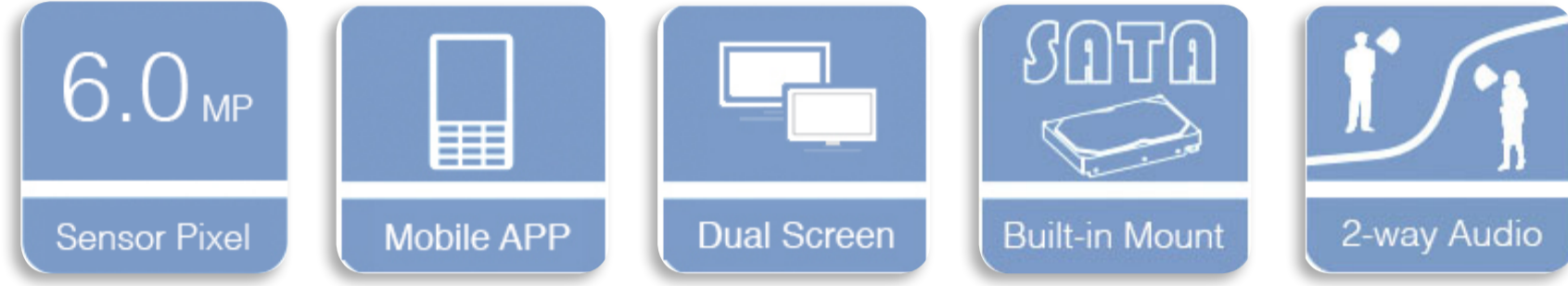


## 4-bay Commercial Network Video Recorder



### Features

#### High-performance, High-capacity

- 4 x 1080p@30fps / 9 x 720p@30fps video decoding capability
- 6MP video supported
- Up to 32 channels
- Up to 160Mbps incoming bandwidth
- Up to 110Mbps output bandwidth
- 64 user access simultaneously
- Max. 4 HDDs up to 24TB storage

#### Easy to install

- Automatic network organizing
- Built-in DHCP server

#### High reliability

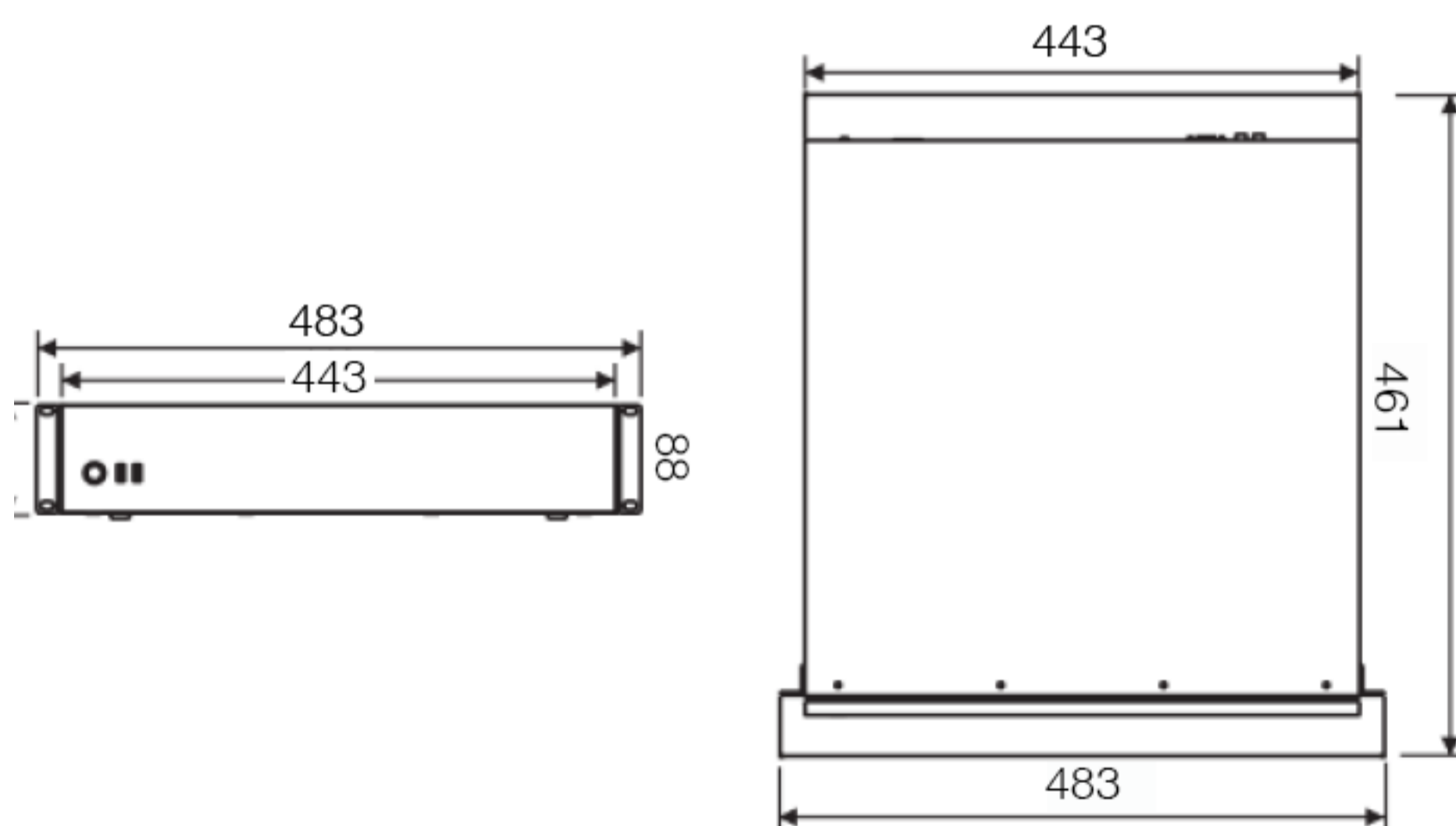
- Embedded Linux
- Low power consumption
- Supports Packet Loss Recovery (PLR)

#### Abundant functions and features

- HDMI/VGA simultaneously output different content
- E-Map, TV-Wall supported
- Bi-directional audio, Broadcasting
- NAT, Socks5
- Alarm management
- Free CMS (NVR Station), supports 128 NVR simultaneously
- CMS supports 6 screens simultaneously (4 x Live viewing, 1 x E-Map, 1 x TV-Wall)

### Dimensions

Unit: mm



### Specifications

Model	NVR1822-9HDA	NVR1822-16HDA	NVR1822-32HDA
<b>Video/Audio Input</b>			
IP Camera Input	9 channel	16 channel	32 channel
Resolution	6MP, 5MP, 4MP, 3MP, 1080p, UXGA, 960p, 720p, XGA, SVGA, D1, CIF, QCIF		
Compression	H.264		
Protocols	ONVIF, RTSP, KEDACOM		
Incoming Bandwidth	45Mbps	80Mbps	160Mbps
<b>Live Viewing</b>			
Local Display	1 x HDMI, 1 x VGA, simultaneously output different content		
Multi Screen Display Local monitor (Main / Secondary):	1, 4, 9, 1+4, 1+8, 1/1, 4/1, 1+4/1	1/1, 4/1, 9/1, 15/1, 16/1, 1+4/1, 1+8/1, 1+9/1, 1+15/1, 4/9, 9/4, 9/9	1/1, 4/1, 9/1, 15/1, 16/1, 36/1, 1+4/1, 1+8/1, 1+9/1, 1+15/1, 4/9, 9/4, 9/9
Multi Screen Display Client	up to 4 screen simultaneously: 1, 3, 4, 9, 12, 16, 20, 25, 30, 36, 42, 49, 56, 63, 64 1+5, 1+7, 1+8, 1+9, 1+11, 1+15, 1+16, 1+33, 1+47, 1+48		
E-Map Function	Live Viewing in E-Map (NVR Station) E-PTZ / Scheme / Polling / TV-Wall (optional with decoder)		
<b>Recording</b>			
Resolution	6MP, 5MP, 4MP, 3MP, 1080p, UXGA, 960p, 720p, XGA, SVGA, D1, CIF, QCIF		
Mode	Manual / Continuous / Schedule / Event (Pre / Post)		
Event Trigger	Supported		
Tag	Supported		
<b>Search &amp; Playback</b>			
Search Mode	Date and time (Calendar) / Event		
Resolution	6MP, 5MP, 4MP, 3MP, 1080p, UXGA, 960p, 720p, XGA, SVGA, D1, CIF, QCIF		
Playback (Local Monitor)	1 x 6MP@30fps / 4 x 1080p@30fps / 9 x 720p@30fps	1 x 6MP@30fps / 4 x 1080p@30fps	1 x 6MP@30fps / 4 x 1080p@30fps / 9 x 720p@30fps
Playback (Client)	5 x 6MP@30fps	5 x 6MP@30fps	5 x 6MP@30fps
Synchronize Playback (Local Monitor)	4 x 1080p@30fps / 9 x 720p@30fps	4 x 1080p@30fps	4 x 1080p@30fps / 9 x 720p@30fps
Synchronize Playback (Client)	4 x 6MP@30fps	4 x 6MP@30fps	4 x 6MP@30fps
Function	Slow forward / Fast forward / Loop / Single frame / E-PTZ		
<b>Storage</b>			
Max. Internal HDDs	4 x 3.5" HDD Max. 24TB (up to 6TB/each)		
Function	Disk dormancy		
<b>Audio</b>			
Compression	G.711a / G.711u / ADPCM / G.722 / G.722.1c / AAC-LC		
Bit rate	32kbps ~ 64kbps		
Audio Function	Bi-directional audio / Dumb / Mute / Broadcasting		
<b>Alarm</b>			
Service Alarm Triggers	Alarm input / Video lost / Motion detection / Tampering / Guard line / Defocus / Scene change / Enter guard area / Exit guard area / Object left / Object removal / Gathering / Audio surge		
System Alarm Events	Device disconnect / No disk / Disk error / IP Address conflict / Network disconnect / Low speed / Insufficient recording space / MAC address conflict / Insufficient snapshot space		
Alarm Events	Snapshot / Recording / PTZ preset / Buzzer / Email / Link to Client / Alarm caption / Live view in first window / Link to TV Wall / Link to secondary screen / Full screen viewing		
<b>System</b>			
Operating System	Embedded Linux		
User Management	Admin / User		
Log Management	User login / User operation / Alarm / Backup / Update		
Application Programming	NVR Station SDK		
<b>Network</b>			
Network Protocols	TCP/IP, UDP, HTTP, DHCP, DNS/DDNS, RTP/RTCP, RTSP, PPPoE, FTP, SNMP, VSIP, UPNP, SMTP, IPv4, IPv6 (optional)		
Viewer Software	CMS (NVR Station) / Web / iOS app / Android app		
Max. User Access	64 Users		
Output Bandwidth	36Mbps	64Mbps	12 ~ 110Mbps
Function	NAT / Socks5 / Multiple network access / Packet loss recovery / Automatic network organizing		
Network Test	Supported		
<b>Interfaces</b>			
Ethernet	1 x Gigabit network port, RJ45 interface		
Video Out	1 x HDMI (up to 1920 x 1080@60Hz) 1 x VGA (up to 1920 x 1080@60Hz)		
Audio In / Out	1 x RCA Line in / 1 x RCA Line out		
USB	2 x USB 2.0		
<b>Environmental</b>			
Operating Temperature	-10°C ~ 55°C / 14°F ~ 131°F		
Operating Humidity	10% ~ 90%		
<b>Electrical</b>			
Power	100 ~ 240V AC, 50 ~ 60Hz		
Power Consumption	Max. 30W (HDD not included)		
<b>Mechanical</b>			
Weight	7.6kg / 16.72lb (HDD not included)		
Dimensions	443 x 460 x 88mm / 17.44" x 18.11" x 3.46"		