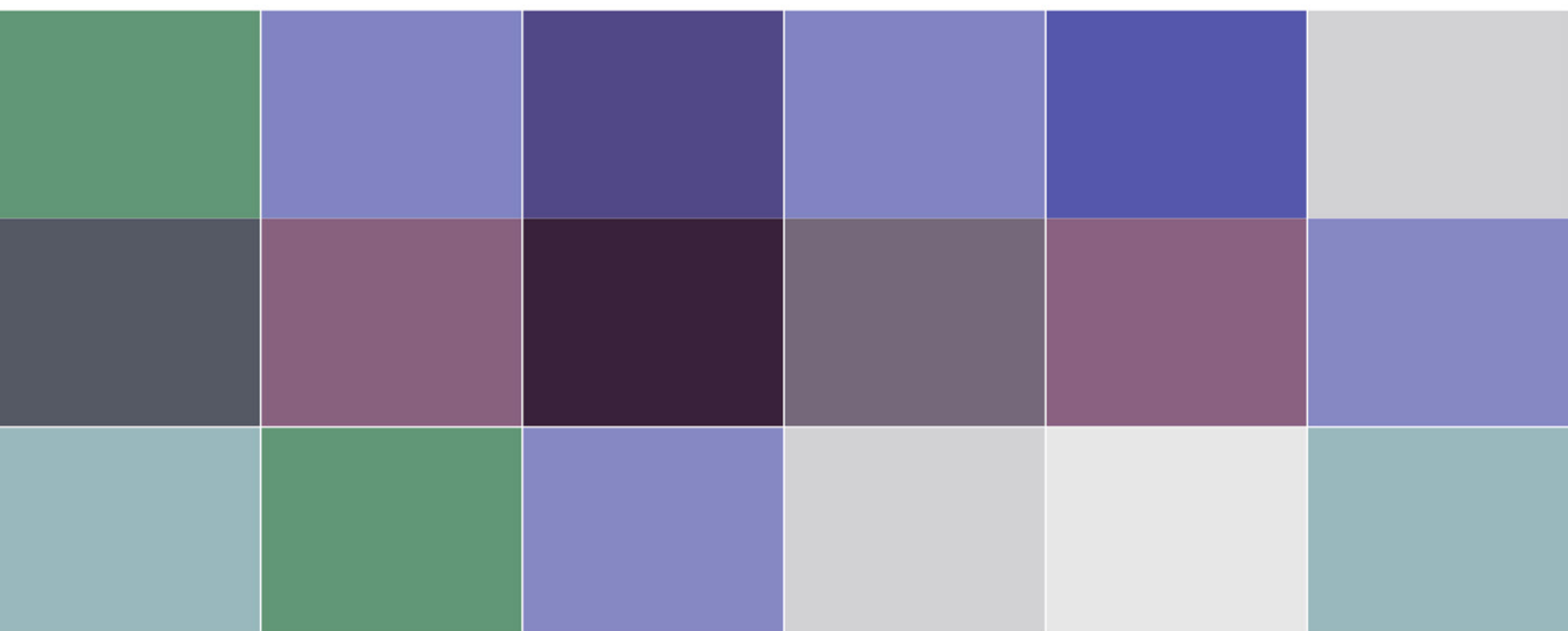


# **KEDACOM**

## ***Video Surveillance Product Manual 2014***



**KEDACOM**



# NVR 1825-HD

## Network Video Recorder



### Features

#### High-performance

- Up to 4 x 1080p@30fps / 9 x 720p@30fps video decoding capability
- Up to 32 channel and 1080p supported
- Up to 160Mbps incoming bandwidth
- Up to 110Mbps output bandwidth
- Small size
- 1.6Kg / 3.52lb
- 350 x 240 x 40mm / 13.78" x 9.45" x 1.57"

#### Easy to install

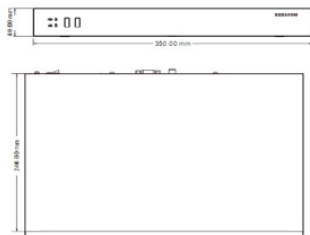
- Auto network organizing
- Build-in DHCP server
- High reliability
- Embedded Linux
- Low power consumption
- Support Packet Loss Recovery (PLR)

#### Abundant functions and features

- HDMI/VGA simultaneously output different content (-16HD, -32HD)
- Support E-Map, TV-Wall
- Bi-directional audio, Broadcasting
- NAT, Socks5
- Alarm management
- Free CMS (NVR Station), support 128 NVR simultaneously
- CMS support 6 screens simultaneously (4 x Live viewing, 1 x E-Map, 1 x TV-Wall)

### Dimensions

Units: mm



### Specifications

	NVR1825-4HD	NVR1825-9HD	NVR1825-16HD	NVR1825-32HD
<b>Video/Audio Input</b>				
IP Camera Input	4 channel	9 channel	16 channel	32 channel
Resolution	1080p, UXGA, 960p, 720p, XGA, SVGA, D1, CIF, QCIF			
Compression Format	H.264			
Protocols	Onvif, RTSP, KEDACOM			
Incoming Bandwidth	20Mbps	45Mbps	80Mbps	160Mbps
<b>Live Viewing</b>				
Local Display	1 x HDMI, 1 x VGA, simultaneously output same content		1 x HDMI, 1 x VGA, simultaneously output different content	
Multi Screen Display	1, 4	1, 4, 9, 1+4, 1+8	Main / Secondary: 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	
Local monitor				
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	Live Viewing in E-Map (NVR Station)			
Function	E-PTZ / Scheme / Polling / TV-Wall (optional with decoder)			
<b>Recording</b>				
Resolution	1080p, UXGA, 960p, 720p, XGA, SVGA, D1, CIF, QCIF			
Mode	Manual / Continuous / Schedule / Event (Pre / Post)			
Event Trigger	Alarm input / Video lost / Motion Detection			
Tag	Supported			
<b>Search &amp; Playback</b>				
Search Mode	Date & Time (Calendar) / Event			
Resolution	1080p, UXGA, 960p, 720p, XGA, SVGA, D1, CIF, QCIF			
Playback (Local Monitor)	1 x 1080p@30fps or 4 x 720p@30fps	1 x 1080p@30fps or 4 x 720p@30fps	4 x 1080p@30fps or 9 x 720p@30fps	4 x 1080p@30fps or 9 x 720p@30fps
Playback (Client)	2 x 1080p@30fps	4 x 1080p@30fps	5 x 1080p@30fps	5 x 1080p@30fps
Synchronize Playback (Local Monitor)	4 x 720p@30fps	4 x 720p@30fps	4 x 1080p@30fps or 9 x 720p@30fps	4 x 1080p@30fps or 9 x 720p@30fps
Synchronize Playback (Client)	2 x 1080p@30fps	4 x 1080p@30fps	4 x 1080p@30fps	4 x 1080p@30fps
Function	Slow forward / Fast forward / Loop / Single Frame / E-PTZ			
<b>Storage</b>				
Max. Internal HDDs	2 x 3.5" HDD Max. 8TB (up to 4TB/each)			
<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>				
Alarm Triggers	Alarm input / Video lost / Motion Detection / System alarm			
Alarm Events	Recording / PTZ preset / Buzzer / Email / Link to Client / Alarm caption			
<b>System</b>				
Operation System	Embedded Linux			
User Management	Admin / User			
Log Management	User login / User operation / Alarm / Backup / Update			
Application Programming Network	NVR Station SDK			
<b>Network</b>				
Network Protocol	TCP/IP, UDP, HTTP, DHCP, DNS/DDNS, RTP/RTCP, RTSP, PPPoE, FTP, SNMP, VSIP			
Viewer Software	CMS (NVR Station) / Web / iOS app / Android app			
Max. User Access	64 Users			
Output Bandwidth	36Mbps	10 ~ 36Mbps	64Mbps	12 ~ 110Mbps
Function	NAT / Socks5 / Multiple network access / Packet loss recovery / Auto network organizing			
<b>Network Test</b>				
Supported				
<b>Interfaces</b>				
Ethernet	1 x 10/100M, RJ45 interface		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	12V DC ± 10%			
Power Consumption	Max. 20W (HDD not included)			
<b>Mechanical</b>				
Weight	1.6Kg / 3.52lb (HDD not included)			
Dimensions	350 x 240 x 40mm / 13.78" x 9.45" x 1.57"			



# NVR1825-HDA

## Network Video Recorder



### Features

#### High-performance

- Up to 4 x 1080p@30fps / 9 x 720p@30fps video decoding capability
- Up to 16 channel and 1080p supported
- Up to 80Mbps incoming bandwidth
- Up to 64Mbps output bandwidth
- Small size
- 1.6Kg / 3.52lb
- 350 x 240 x 40mm / 13.78" x 9.45" x 1.57"

#### Easy to install

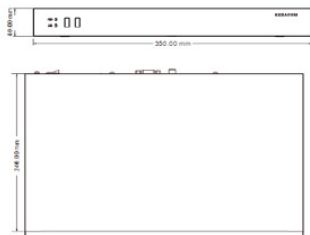
- Auto network organizing
- Build-in DHCP server
- High reliability
- Embedded Linux
- Low power consumption
- Support Packet Loss Recovery (PLR)

#### Abundant functions and features

- HDMI/VGA simultaneously output different content (-16HDA)
- Support E-Map, TV-Wall
- Bi-directional audio, Broadcasting
- NAT, Socks5
- Alarm management
- Free CMS (NVR Station), support 128 NVR simultaneously
- CMS support 6 screens simultaneously (4 x Live viewing, 1 x E-Map, 1 x TV-Wall)

### Dimensions

Units: mm



### Specifications

	NVR1825-4HDA	NVR1825-9HDA	NVR1825-16HDA
<b>Video/Audio Input</b>			
IP Camera Input	4 channel	9 channel	16 channel
Resolution	1080p, UXGA, 960p, 720p, XGA, SVGA, D1, CIF, QCIF		
Compression Format	H.264		
Protocols	Onvif, RTSP, KEDACOM		
Incoming Bandwidth	20Mbps	45Mbps	80Mbps
<b>Live Viewing</b>			
Local Display	1 x HDMI, 1 x VGA, simultaneously output same content		1 x HDMI, 1 x VGA, simultaneously output different content
Multi Screen Display Local monitor	1, 4	1, 4, 9, 1+4, 1+8	Main / Secondary: 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
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 / Poling / TV-Wall (optional with decoder)		
<b>Recording</b>			
Resolution	1080p, UXGA, 960p, 720p, XGA, SVGA, D1, CIF, QCIF		
Mode	Manual / Continuous / Schedule / Event (Pre / Post)		
Event Trigger	Alarm input / Video lost / Motion Detection		
Tag	Supported		
<b>Search &amp; Playback</b>			
Search Mode	Date & Time (Calendar) / Event		
Resolution	1080p, UXGA, 960p, 720p, XGA, SVGA, D1, CIF, QCIF		
Playback (Local Monitor)	1 x 1080p@30fps or 4 x 720p@30fps	1 x 1080p@30fps or 4 x 720p@30fps	4 x 1080p@30fps
Playback (Client)	2 x 1080p@30fps	4 x 1080p@30fps	5 x 1080p@30fps
Synchronize Playback (Local Monitor)	4 x 720p@30fps	4 x 720p@30fps	4 x 1080p@30fps
Synchronize Playback (Client)	2 x 1080p@30fps	4 x 1080p@30fps	4 x 1080p@30fps
Function	Slow forward / Fast forward / Loop / Single Frame / E-PTZ		
<b>Storage</b>			
Max. Internal HDDs	1 x 3.5" HDD Max. 4TB (up to 4TB/each)		
<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>			
Alarm Triggers	Alarm input / Video lost / Motion Detection / System alarm		
Alarm Events	Recording / PTZ preset / Buzzer / Email / Link to Client / Alarm caption		
<b>System</b>			
Operation 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 Protocol	TCP/IP, UDP, HTTP, DHCP, DNS/DDNS, RTP/RTCP, RTSP, PPPoE, FTP, SNMP, VSIP		
Viewer Software	CMS (NVR Station) / Web / iOS app / Android app		
Max. User Access	64 Users		
Output Bandwidth	36Mbps	10 ~ 36Mbps	64Mbps
Function	NAT / Socks5 / Multiple network access / Packet loss recovery / Auto network organizing		
Network Test	Supported		
<b>Interfaces</b>			
Ethernet	1 x 10/100M, RJ45 interface		1 x Gigabite 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	12V DC ± 10%		
Power Consumption	Max. 20W (HDD not included)		
<b>Mechanical</b>			
Weight	1.6Kg / 3.52lb (HDD not included)		
Dimensions	350 x 240 x 40mm / 13.78" x 9.45" x 1.57"		



# NVR1825-HP

## Network Video Recorder



### Features

#### High-performance

- Up to 1 x 1080p@30fps / 4 x 720p@30fps video decoding capability
- 1080p supported
- Small size
- 1.6Kg / 3.52lb
- 350 x 240 x 40mm / 13.78" x 9.45" x 1.57"

#### Easy to install

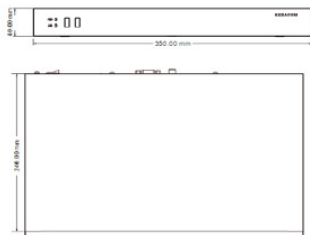
- Auto network organizing
- Build-in DHCP server
- 4 PoE port
- High reliability
- Embedded Linux
- Low power consumption
- Support Automatic Network Replenishment (ANR)
- Support Packet Loss Recovery (PLR)

#### Abundant functions and features

- Support E-Map, TV-Wall
- Bi-directional audio, Broadcasting
- NAT, Socks5
- Alarm management
- Free CMS (NVR Station), support 128 NVR simultaneously
- CMS support 6 screens simultaneously (4 x Live viewing, 1 x E-Map, 1 x TV-Wall)

### Dimensions

Units: mm



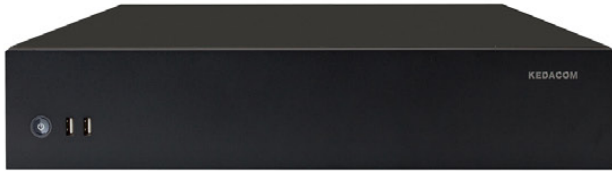
### Specifications

	NVR1825-4HP	NVR1825-9HP
<b>Video/Audio Input</b>		
IP Camera Input	4 channel	9 channel
Resolution	1080p, UXGA, 960p, 720p, XGA, SVGA, D1, CIF, QCIF	
Compression Format	H.264	
Protocols	Onvif, RTSP, KEDACOM	
Incoming Bandwidth	20Mbps	45Mbps
<b>Live Viewing</b>		
Local Display	1 x HDMI, 1 x VGA, simultaneously output same content	
Multi Screen Display Local monitor	1, 2, 4	1, 2, 4, 9, 1+4, 1+8
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	1080p, UXGA, 960p, 720p, XGA, SVGA, D1, CIF, QCIF	
Mode	Manual / Continuous / Schedule / Event (Pre / Post)	
Event Trigger	Alarm input / Video lost / Motion Detection	
Tag	Supported	
Reliability	Automatic Network Replenishment (ANR)	
<b>Search &amp; Playback</b>		
Search Mode	Date & Time (Calendar) / Event	
Resolution	1080p, UXGA, 960p, 720p, XGA, SVGA, D1, CIF, QCIF	
Playback (Local Monitor)	1 x 1080p@30fps or 4 x 720p@30fps	1 x 1080p@30fps or 4 x 720p@30fps
Playback (Client)	4 x 1080p@30fps	4 x 1080p@30fps
Synchronize Playback (Local Monitor)	4 x 720p@30fps	4 x 720p@30fps
Synchronize Playback (Client)	4 x 1080p@30fps	4 x 1080p@30fps
Function	Slow forward / Fast forward / Loop / Single Frame / E-PTZ	
<b>Storage</b>		
Max. Internal HDDs	2 x 3.5" HDD Max. 8TB (up to 4TB/each)	
<b>Audio</b>		
Compression	G.711a / G.711u / ADPCM / AAC-LC	
Bit rate	32kbps ~ 64kbps	
Audio Function	Bi-directional audio / Dumb / Mute / Broadcasting	
<b>Alarm</b>		
Alarm Triggers	Alarm input / Video lost / Motion Detection / System alarm	
Alarm Events	Snapshot / Recording / PTZ preset / Alarm out / Buzzer / Email / Link to Client / Alarm caption	
<b>System</b>		
Operation 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 Protocol	TCP/IP, UDP, HTTP, DHCP, DNS/DDNS, RTP/RTCP, RTSP, PPPoE, FTP, SNMP, VSIP	
Viewer Software	CMS (NVR Station) / Web / iOS app / Android app	
Max. User Access	64 Users	
Output Bandwidth	45Mbps	
Function	NAT / Socks5 / Multiple network access / Packet loss recovery / Auto network organizing	
Network Test	Supported	
<b>Interfaces</b>		
Ethernet	1 x 10/100M, RJ45 interface	
PoE	4 x 10/100M PoE port, RJ45 interface, 15W / each port	
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	
Alarm In / Out	2 x Inputs / 2 x Outputs	
Control	1 x RS485	
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	12V DC ± 10%	
Power Consumption	Max. 20W (HDD / PoE not included)	
<b>Mechanical</b>		
Weight	1.6Kg / 3.52lb (HDD not included)	
Dimensions	350 x 240 x 40mm / 13.78" x 9.45" x 1.57"	



# NVR1822-HD

## Network Video Recorder



### Features

#### High-performance, High-capacity

- 4 x 1080p@30fps / 9 x 720p@30fps video decoding capability
- Up to 32 channel and 1080p supported
- Up to 160Mbps incoming bandwidth
- Up to 110Mbps output bandwidth
- 64 user access simultaneously
- Max. 8 HDDs up to 32TB storage

#### Easy to install

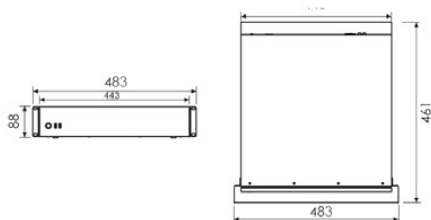
- Auto network organizing
- Bulid-in DHCP server
- High reliability
- Embedded Linux
- Low power consumption
- Support Packet Loss Recovery (PLR)

#### Abundant functions and features

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

### Dimensions

Units: mm



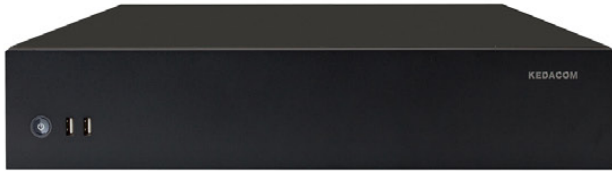
### Specifications

	NVR1822-9HD	NVR1822-16HD	NVR1822-32HD
Video/Audio Input			
IP Camera Input	9 channel	16 channel	32 channel
Resolution	1080p, UXGA, 960p, 720p, XGA, SVGA, D1, CIF, QCIF		
Compression Format	H.264		
Protocols	Onvif, RTSP, KEDACOM		
Incoming Bandwidth	45Mbps	80Mbps	160Mbps
Live Viewing			
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, 16/1, 1+4/1, 1+8/1, 1+9/1, 15/1,1+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	Live Viewing in E-Map (NVR Station)		
Function	E-PTZ / Scheme / Polling / TV-Wall (optional with decoder)		
Recording			
Resolution	1080p, UXGA, 960p, 720p, XGA, SVGA, D1, CIF, QCIF		
Mode	Manual / Continuous / Schedule / Event (Pre / Post)		
Event Trigger	Alarm input / Video lost / Motion Detection		
Tag	Supported		
Search & Playback			
Search Mode	Date & Time (Calendar) / Event		
Resolution	1080p, UXGA, 960p, 720p, XGA, SVGA, D1, CIF, QCIF		
Playback	Local monitor: 4 x 1080p@30fps or 9 x 720p@30fps Client: 5 x 1080p@30fps		
Synchronize Playback	Local monitor: 4 x 1080p@30fps or 9 x 720p@30fps Client: 4 x 1080p@30fps		
Function	Slow forward / Fast forward / Loop / Single Frame / E-PTZ		
Storage			
Max. Internal HDDs	8 x 3.5" HDD		
	Max. 32TB (up to 4TB/each)		
Audio			
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		
Alarm			
Alarm Triggers	Alarm input / Video lost / Motion Detection / System alarm		
Alarm Events	Recording / PTZ preset / Buzzer / Email / Link to Client / Alarm caption		
System			
Operation System	Embedded Linux		
User Management	Admin / User		
Log Management	User login / User operation / Alarm / Backup / Update		
Application Programming	NVR Station SDK		
Network			
Network Protocol	TCP/IP, UDP, HTTP, DHCP, DNS/DDNS, RTP/RTCP, RTSP, PPPoE, FTP, SNMP, VSIP		
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 / Auto network organizing		
Network Test	Supported		
Interfaces			
Ethernet	1 x Gigabyte 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		
Environmental			
Operating Temperature	-10°C ~ 55°C / 14°F ~ 131°F		
Operating Humidity	10% ~ 90%		
Electrical			
Power	100 ~ 240V AC, 50 ~ 60Hz		
Power Consumption	Max. 30W (HDD not included)		
Mechanical			
Weight	7.6Kg / 16.72lb (HDD not included)		
Dimensions	443 x 460 x 88mm / 17.44" x 18.11" x 3.46"		



# NVR1822-HDA

## Network Video Recorder



### Features

#### High-performance, High-capacity

- 4 x 1080p@30fps / 9 x 720p@30fps video decoding capability
- Up to 32 channel and 1080p supported
- Up to 160Mbps incoming bandwidth
- Up to 110Mbps output bandwidth
- 64 user access simultaneously
- Max. 4 HDDs up to 16TB storage

#### Easy to install

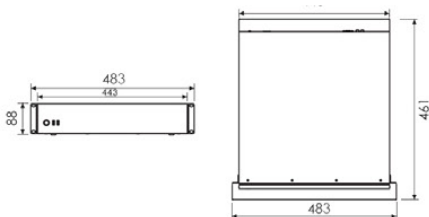
- Auto network organizing
- Build-in DHCP server
- High reliability
- Embedded Linux
- Low power consumption
- Support Packet Loss Recovery (PLR)

#### Abundant functions and features

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

### Dimensions

Units: mm



### Specifications

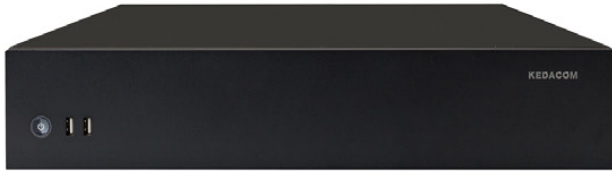
	NVR1822-9HDA	NVR1822-16HDA	NVR1822-32HDA
<b>Video/Audio Input</b>			
IP Camera Input	9 channel	16 channel	32 channel
Resolution	1080p, UXGA, 960p, 720p, XGA, SVGA, D1, CIF, QCIF		
Compression Format	H.264		
Protocols	Onvif, RTSP, KEDACOM		
Incoming Bandwidth	45Mbps	80Mbps	160Mbps
<b>Live Viewing</b>			
Local Display	1 x HDMI, 1 x VGA, simultaneously output different content		
Multi Screen Display	1, 4, 9, 1+4, 1+8, 1/1, 4/1, 9/1, 16/1, 1+4/1, 1+8/1, 1+9/1, 15/1, 1+15/1, 4/9, 9/4, 9/9		
Local monitor (Main / Secondary):	1/1, 4/1, 1+4/1		
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	Live Viewing in E-Map (NVR Station)		
Function	E-PTZ / Scheme / Polling / TV-Wall (optional with decoder)		
<b>Recording</b>			
Resolution	1080p, UXGA, 960p, 720p, XGA, SVGA, D1, CIF, QCIF		
Mode	Manual / Continuous / Schedule / Event (Pre / Post)		
Event Trigger	Alarm input / Video lost / Motion Detection		
Tag	Supported		
<b>Search &amp; Playback</b>			
Search Mode	Date & Time (Calendar) / Event		
Resolution	1080p, UXGA, 960p, 720p, XGA, SVGA, D1, CIF, QCIF		
Playback	Local monitor: 4 x 1080p@30fps Client: 5 x 1080p@30fps		
Synchronize Playback	Local monitor: 4 x 1080p@30fps Client: 4 x 1080p@30fps		
Function	Slow forward / Fast forward / Loop / Single Frame / E-PTZ		
<b>Storage</b>			
Max. Internal HDDs	4 x 3.5" HDD Max. 16TB (up to 4TB/each)		
<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>			
Alarm Triggers	Alarm input / Video lost / Motion Detection / System alarm		
Alarm Events	Recording / PTZ preset / Buzzer / Email / Link to Client / Alarm caption		
<b>System</b>			
Operation 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 Protocol	TCP/IP, UDP, HTTP, DHCP, DNS/DDNS, RTP/RTCP, RTSP, PPPoE, FTP, SNMP, VSIP		
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 / Auto network organizing		
Network Test	Supported		
<b>Interfaces</b>			
Ethernet	1 x Gigabyte 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"		

NVR



# NVR1821-HD

## Network Video Recorder



### Features

#### High-performance, High-capacity

- 16 x 1080p@30fps video decoding capability
- Up to 64 channel and 3MP supported
- Up to 320Mbps incoming bandwidth
- 256Mbps output bandwidth
- 64 user access simultaneously
- Max. 8 HDDs up to 32TB storage
- IP SAN and e-SATA storage supported

#### Easy to install

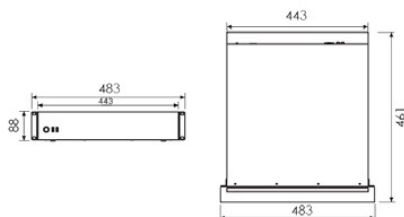
- Auto network organizing
- Build-in DHCP server
- High reliability
- Embedded Linux
- Low power consumption
- Support Automatic Network Replenishment (ANR)
- Support Packet Loss Recovery (PLR)

#### Abundant functions and features

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

### Dimensions

Units: mm



### Specifications

	NVR1821-9HD	NVR1821-16HD	NVR1821-32HD	NVR1821-64HD
<b>Video/Audio Input</b>				
IP Camera Input	9 channel	16 channel	32 channel	64 channel
Resolution	QXGA, 1080p, UXGA, 960p, 720p, XGA, SVGA, D1, CIF, QCIF			
Compression Format	H.264			
Protocols	Onvif, RTSP, KEDACOM			
Incoming Bandwidth	45Mbps	80Mbps	160Mbps	320Mbps
<b>Live Viewing</b>				
Local Display	1 x HDMI, 1 x VGA, simultaneously output different content			
Multi Screen Display	1/1, 4/1, 9/1, 1+4/1, 1+8/1			
Local monitor (Main / Secondary):	1/1, 4/1, 9/1, 1+4/1, 1+8/1	1/1, 4/1, 9/1, 15/1, 16/1, 24/1, 1+4/1, 1+8/1, 1+9/1, 1+15/1, 4/9, 16/16	1/1, 4/1, 9/1, 15/1, 16/1, 24/1, 25/1, 35/1, 36/1, 1+4/1, 1+8/1, 1+9/1, 1+15/1, 4/9, 9/4, 9/9, 16/16	
Multi Screen Display Client	up to 4 screens 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	Live Viewing in E-Map (NVR Station)			
Function	E-PTZ / Scheme / Polling / TV-Wall (optional with decoder)			
<b>Recording</b>				
Resolution	QXGA, 1080p, UXGA, 960p, 720p, XGA, SVGA, D1, CIF, QCIF			
Mode	Manual / Continuous / Schedule / Event (Pre / Post)			
Event Trigger	Alarm input / Video lost / Motion Detection			
Tag	Supported			
Reliability	Automatic Network Replenishment (ANR)			
<b>Search &amp; Playback</b>				
Search Mode	Date & Time (Calendar) / Event			
Resolution	QXGA, 1080p, UXGA, 960p, 720p, XGA, SVGA, D1, CIF, QCIF			
Playback	Local monitor: 16 x 1080p@30fps Client: 8 x 1080p@30fps			
Synchronize Playback	Local monitor: 16 x 1080p@30fps Client: 4 x 1080p@30fps			
Function	Slow forward / Fast forward / Loop / Single Frame / E-PTZ			
<b>Storage</b>				
Max. Internal HDDs	8 x 3.5" HDD Max. 32TB (up to 4TB/each)			
External	IP SAN (iSCSI), up to 10 x IP SAN, Max. 100T, Max. write speed 128Mbps e-SATA			
Function	Disk group / Quota			
<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>				
Alarm Triggers	Alarm input / Video lost / Motion Detection / System alarm			
Alarm Events	Snapshot / Recording / PTZ preset / Alarm out / Buzzer / Email / Link to Client / Alarm caption			
<b>System</b>				
Operation 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 Protocol	TCP/IP, UDP, HTTP, DHCP, DNS/DDNS, RTP/RTCP, RTSP, PPPoE, FTP, SNMP, VSIP			
Viewer Software	CMS (NVR Station) / Web / iOS app / Android app			
Max. User Access	64 Users			
Output Bandwidth	256Mbps			
Function	NAT / Socks5 / Multiple network access / Packet loss recovery / Auto network organizing			
Network Test	Supported			
<b>Interfaces</b>				
Ethernet	2 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			
Alarm In / Out	2 x Inputs / 2 x Outputs			
Control	2 x RS485			
USB	4 x USB 2.0			
e-SATA	1 x e-SATA			
<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 461 x 88mm / 17.44" x 18.15" x 3.46"			

NVR



# NVR2860E

## Network Video Recorder



### Features

#### High-performance, High-capacity

- 16 x 1080p@30fps video decoding capability
- Up to 64 channel and 3MP supported
- Up to 320Mbps incoming bandwidth
- 320Mbps output bandwidth
- 64 user access simultaneously
- Max. 8 HDDs up to 32TB storage
- IP SAN and e-SATA storage supported

#### Easy to install

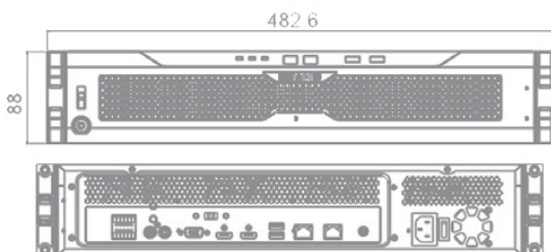
- Auto network organizing
- Build-in DHCP server
- Embedded Linux
- RAID 0/1/5/6/10
- Support Automatic Network Replenishment (ANR)
- Support Packet Loss Recovery (PLR)

#### Abundant functions and features

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

### Dimensions

Units: mm



### Specifications

	NVR2860E-16HD	NVR2860E-32HD	NVR2860E-48HD	NVR2860E-64HD
<b>Video/Audio Input</b>				
IP Camera Input	16 channel	32 channel	48 channel	64 channel
Resolution	QXGA, 1080p, UXGA, 960p, 720p, XGA, SVGA, D1, CIF, QCIF			
Compression Format	H.264			
Protocols	Onvif, RTSP, KEDACOM			
Incoming Bandwidth	80Mbps	160Mbps	240Mbps	320Mbps
<b>Live Viewing</b>				
Local Display	1 x HDMI, 1 x VGA, simultaneously output different content			
Multi Screen Display	1/1, 4/1, 9/1, 15/1, 16/1,	1/1, 4/1, 9/1, 15/1, 16/1, 24/1, 25/1, 35/1, 36/1		
Local monitor	24/1, 1+4/1, 1+8/1,	1+4/1, 1+8/1, 1+9/1, 1+15/1, 4/9, 9/4, 9/9, 16/16		
(Main / Secondary):	1+9/1, 1+15/1, 4/9,			
Multi Screen Display	up to 4 screens simultaneously:			
Client	1, 3, 4, 9, 12, 16, 20, 25, 30, 36, 42, 49, 56, 63, 64			
E-Map	1+5, 1+7, 1+8, 1+9, 1+11, 1+15, 1+16, 1+33, 1+47, 1+48			
Function	Live Viewing in E-Map (NVR Station)			
Recording	E-PTZ / Scheme / Polling / TV-Wall (optional with decoder)			
Resolution	QXGA, 1080p, UXGA, 960p, 720p, XGA, SVGA, D1, CIF, QCIF			
Mode	Manual / Continuous / Schedule / Event (Pre / Post)			
Event Trigger	Alarm input / Video lost / Motion Detection			
Tag	Supported			
Reliability	Automatic Network Replenishment (ANR)			
<b>Search &amp; Playback</b>				
Search Mode	Date & Time (Calendar) / Event			
Resolution	QXGA, 1080p, UXGA, 960p, 720p, XGA, SVGA, D1, CIF, QCIF			
Local monitor:	16 x 1080p@30fps			
Client:	8 x 1080p@30fps			
Local monitor:	16 x 1080p@30fps			
Client:	4 x 1080p@30fps			
Function	Slow forward / Fast forward / Loop / Single Frame / E-PTZ			
<b>Storage</b>				
Max. Internal HDDs	8 x 3.5" HDD			
Max. 32TB (up to 4TB/each)				
RAID	RAID 0/1/5/6/10			
External	IP SAN (iSCSI), up to 10 x IP SAN, Max. 100T, Max. write speed 128Mbps			
e-SATA				
Function	Disk group / Quota			
<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>				
Alarm Triggers	Alarm input / Video lost / Motion Detection / System alarm			
Alarm Events	Snapshot / Recording / PTZ preset / Alarm out / Buzzer / Email / Link to Client / Alarm caption			
<b>System</b>				
Operation 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 Protocol	TCP/IP, UDP, HTTP, DHCP, DNS/DDNS, RTP/RTCP, RTSP, PPPoE, FTP, SNMP, VSIP			
Viewer Software	CMS (NVR Station) / Web / iOS app / Android app			
Max. User Access	64 Users			
Output Bandwidth	256Mbps			
Function	NAT / Socks5 / Multiple network access / Packet loss recovery / Auto network organizing			
Network Test	Supported			
<b>Interfaces</b>				
Ethernet	2 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			
Alarm In / Out	2 x Inputs / 2 x Outputs			
Control	2 x RS485			
USB	4 x USB 2.0			
e-SATA	1 x e-SATA			
<b>Environmental</b>				
Operating Temperature	-10°C ~ 55°C / 14°F ~ 131°F			
Operating Humidity	10% ~ 85%			
<b>Electrical</b>				
Power	100 ~ 240V AC, 50 ~ 60Hz			
Power Consumption	Max. 65W (HDD not included)			
<b>Mechanical</b>				
Weight	12.5Kg / 27.5lb (HDD not included)			
Dimensions	430 x 561 x 88mm / 16.93" x 22.09" x 3.46"			

NVR





# NVR2881

## Network Video Recorder



### Features

#### High-performance, High-capacity

- 16 x 1080p@30fps video decoding capability
- 4K video output supported
- Up to 128 channel and 3MP supported
- Up to 640Mbps incoming bandwidth
- 512Mbps output bandwidth
- 64 user access simultaneously
- Max. 16 HDDs up to 64TB storage
- IP SAN storage supported

#### Easy to install

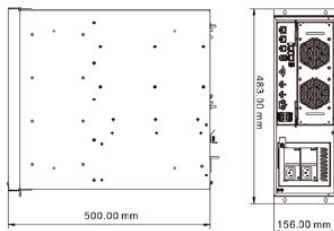
- Build-in DHCP server/Embedded Linux
- RAID 0/1/5/6/10
- Redundant Power Supply (optional)
- Support Automatic Network Replenishment (ANR)
- Support Packet Loss Recovery (PLR)

#### Abundant functions and features

- 3 video output simultaneously output different content
- Support E-Map, TV-Wall
- Bi-directional audio, Broadcasting
- NAT, Socks5
- Alarm management
- Free CMS (NVR Station), support 128 NVR simultaneously
- CMS support 6 screens simultaneously (4 x Live viewing, 1 x E-Map, 1 x TV-Wall)

### Dimensions

Units: mm



### Specifications

	NVR2881-32	NVR2881-64	NVR2881-128
<b>Video/Audio Input</b>			
IP Camera Input	32 channel	64 channel	128 channel
Resolution	QXGA, 1080p, UXGA, 960p, 720p, XGA, SVGA, D1, CIF, QCIF		
Compression Format	H.264		
Protocols	Onvif, RTSP, KEDACOM		
Incoming Bandwidth	160Mbps	320Mbps	640Mbps
<b>Live Viewing</b>			
Local Display	2 x HDMI, 1 x VGA, simultaneously output different content		
Multi Screen Display Local monitor (Main / Secondary / Tertiary):	1/1/1, 4/1/1, 9/1/1, 15/1/1, 16/1/1, 24/1/1, 25/1/1, 35/1/1, 1+4/1/1, 1+8/1/1, 1+9/1/1, 1+15/1/1, 4/4/4, 9/9/9, 16/16/16	1/1/1, 4/1/1, 9/1/1, 15/1/1, 16/1/1, 24/1/1, 25/1/1, 35/1/1, 36/1/1, 48/1/1, 49/1/1, 63/1/1, 64/1/1, 1+4/1/1, 1+8/1/1, 1+9/1/1, 1+15/1/1, 4/4/4, 9/9/9, 16/16/16, 4/16/16, 16/24/24	1/1/1, 4/1/1, 9/1/1, 15/1/1, 16/1/1, 24/1/1, 25/1/1, 35/1/1, 36/1/1, 48/1/1, 49/1/1, 63/1/1, 64/1/1, 1+4/1/1, 1+8/1/1, 1+9/1/1, 1+15/1/1, 4/4/4, 9/9/9, 16/16/16, 4/16/16, 16/24/24, 35/48/48
Multi Screen Display Client	up to 4 screens 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	Live Viewing in E-Map (NVR Station)		
Function	E-PTZ / Scheme / Polling / TV-Wall (optional with decoder)		
<b>Recording</b>			
Resolution	QXGA, 1080p, UXGA, 960p, 720p, XGA, SVGA, D1, CIF, QCIF		
Mode	Manual / Continuous / Schedule / Event (Pre / Post)		
Event Trigger	Alarm input / Video lost / Motion Detection		
Tag	Supported		
Reliability	Automatic Network Replenishment (ANR)		
<b>Search &amp; Playback</b>			
Search Mode	Date & Time (Calendar) / Event		
Resolution	QXGA, 1080p, UXGA, 960p, 720p, XGA, SVGA, D1, CIF, QCIF		
Playback	Local monitor: 16 x 1080p@30fps Client: 8 x 1080p@30fps		
Synchronize Playback	Local monitor: 16 x 1080p@30fps Client: 4 x 1080p@30fps		
Function	Slow forward / Fast forward / Loop / Single Frame / E-PTZ		
<b>Storage</b>			
Max. Internal HDDs	16 x 3.5" HDD		
	Max. 64TB (up to 4TB/each)		
RAID	RAID 0/1/5/6/10		
External	IP SAN (iSCSI), up to 10 x IP SAN, Max. 100T		
Function	Disk group / Quota		
<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>			
Alarm Triggers	Alarm input / Video lost / Motion Detection / System alarm		
Alarm Events	Snapshot / Recording / PTZ preset / Alarm out / Buzzer / Email / Link to Client / Alarm caption		
<b>System</b>			
Operation System	Embedded Linux		
User Management	Admin / User		
Log Management	User login / User operation / Alarm / Backup / Update		
Application Programming Network	NVR Station SDK		
<b>Network</b>			
Network Protocol	TCP/IP, UDP, HTTP, DHCP, DNS/DDNS, RTP/RTCP, RTSP, PPPoE, FTP, SNMP, VSIP		
Viewer Software	CMS (NVR Station) / Web / iOS app / Android app		
Max. User Access	64 Users		
Output Bandwidth	512Mbps		
Function	NAT / Socks5 / Multiple network access / Packet loss recovery / Auto network organizing		
Network Test	Supported		
<b>Interfaces</b>			
Ethernet	3 x Gigabit network port, RJ45 interface		
Video Out	2 x HDMI (1 HDMI up to 4K x 2k, 1 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		
Alarm In / Out	2 x Inputs / 2 x Outputs		
Control	2 x RS485		
USB	2 x USB 2.0, 2 x USB 3.0		
<b>Environmental</b>			
Operating Temperature	-10°C ~ 55°C / 14°F ~ 131°F		
Operating Humidity	10% ~ 85%		
<b>Electrical</b>			
Power	100 ~ 240V AC, 50 ~ 60Hz Redundant Power Supply (the second power is option)		
Power Consumption	Max. 150W (HDD not included)		
<b>Mechanical</b>			
Weight	20Kg / 44lb (HDD not included)		
Dimensions	483 x 500 x 156mm / 19.02" x 19.69" x 6.14"		

NVR



# KDM2801

## VMS - Video Management System



### Features

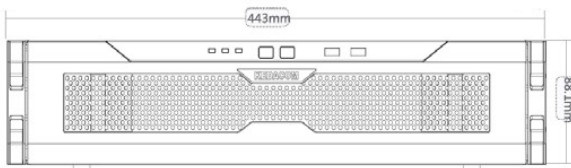
- High-performance, High-capacity**
- Up to 1000 channel per unit
  - Max. 640Mbps incoming bandwidth
  - Max. 640Mbps output bandwidth
  - Up to 1000 users access simultaneously
  - 8-level cascade
  - 32 devices stack per level
- High reliability**
- Embedded Linux
  - Support Packet Loss Recovery (PLR)
- Abundant functions and features**
- Support E-Map, TV-Wall
  - Bi-directional audio
  - NAT, Socks5
  - Alarm management
  - Free Client (CU client)

### Specifications

KDM2801H-G2	
Capacity	
Access	1000 Channel
Cascade	8-level
Stack	32 devices per level
Incoming Bandwidth	Max. 640Mbps
Output Bandwidth	Max. 640Mbps
Live Viewing	
Multi Screen Display	up to 64 multi-window
E-Map	Live Viewing in E-Map
Function	E-PTZ / Scheme / Polling / TV-Wall (optional with decoder)
Recording	
Mode	Manual / Continuous / Schedule / Event (Pre / Post)
Event Trigger	Alarm input / Video lost / Motion Detection
Search & Playback	
Search Mode	Date & Time (Calendar) / Event
Playback Mode	Single Playback / Multi Playback / Synchronize Playback
Function	Slow forward / Fast forward / Loop / Single Frame / E-PTZ
Storage	
External	IP SAN (iSCSI), up to 10 x IP SAN, Max. 100T, Max. write speed 280Mbps
Video	
Compression Format	H.264
Image Resolution	QXGA, 1080p, UXGA, 960p, 720p, XGA, SVGA, D1, CIF, QCIF
Frame Rate	1 ~ 60fps
Bitrate	64kbps ~ 8Mbps
Audio	
Compression Format	G.711a / G.711u / ADPCM / G.722 / G.722.1c / AAC-LC
Bitrate	32kbps ~ 64kbps
Alarm	
Alarm Triggers	Alarm input / Video lost / Motion Detection / Disk alarm
Alarm Events	Snapshot / Recording / PTZ preset / Alarm out / Buzzer / Link to Client / Alarm caption
System	
Operation System	Embedded Linux
User Management	Super admin / Admin / User
Log Management	User login / User operation / Device / Alarm / Backup
Network	
Network Protocol	SIP, TCP/IP, UDP, HTTP, DHCP, DNS/DDNS, RTP/RTCP, RTSP, FTP, SNTp, VSIP
Viewer Software	CU Client
Max. User Access	1000 Users
Protocols	Onvif, GB/T 28181-2011
Application Programming	CU SDK
Function	NAT / Socks5 / Multiple network access / Packet loss recovery
Interfaces	
Ethernet	2 x Gigabyte network port, RJ45 interface
USB	4 x USB2.0
Control	1 x RS485
Video Out	1 x VGA, for debug only
Video In	1 x BNC
Internal	2 x USB2.0, for USB license dongle
Environmental	
Operating Temperature	0°C ~ 55°C / 32°F ~ 131°F
Operating Humidity	10% ~ 90%
Electrical	
Power	100 ~ 240V AC, 50 ~ 60Hz
Power Consumption	Max. 130W
Mechanical	
Weight	13Kg / 28.66lb (Gross Weight)
Dimensions	443 x 461 x 88mm / 17.44" x 18.15" x 3.46"

### Dimensions

Units: mm





# KDM201

## Video Decoder Unit



### Features

#### High-performance, High-capacity

- Max. 32 x 1080p@30 / 64 x 720p@30 decoder per unit
- H.264 high profile video codec, save up to 30% bandwidth and storage

#### Easy to deploy

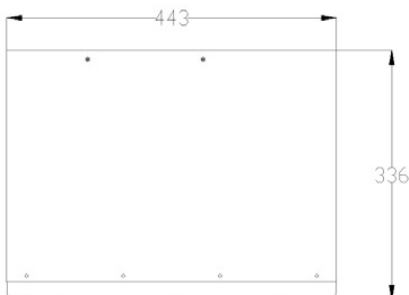
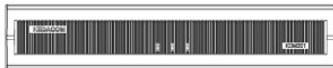
- Modularization design, 8 slots
- Rack-mounted
- Support 2 different decoder modules

#### Easy to install

- Built-in Web Server, easy to manage and configure
- Abundant functions and features
- Bi-directional audio

### Dimensions

Units: mm



### Specifications

KDM201 Decoder Module Chassis	
<b>Interfaces</b>	
Slots	8
Ethernet	1 x Gigabite network port, RJ45 interface
<b>Environmental</b>	
Operating Temperature	-10°C ~ 40°C / 14°F ~ 104°F
Operating Humidity	10% ~ 90%
<b>Electrical</b>	
Power	100 ~ 240V AC, 50 ~ 60Hz
Power Consumption	Max. 250W
<b>Mechanical</b>	
Weight	8Kg / 21.43lb (Gross Weight)
Dimensions	443 x 338 x 88mm / 17.44" x 13.31" x 3.46"
<b>KDM201-D01F HD Decoder Module</b>	
<b>Video</b>	
Compression Format	H.264
Image Resolution	QXGA, 1080p, 720p, D1, CIF, QCIF
Multichannel	1 x QXGA / 2 x 1080p / 4 x 720p / 9 x D1 / 16 x CIF
Layout	1, 2, 4, 9, 16
Frame Rate	1 ~ 60fps
Bitrate	64kbps ~ 8Mbps
<b>Audio</b>	
Compression Format	G.711a / G.711u / ADPCM / G.722 / AAC-LC / AMR
Bitrate	32kbps ~ 64kbps
<b>Interfaces</b>	
Video Out	1 x HDMI, 1 x VGA, 1 x BNC
Audio In / Out	1 x 3.5mm Mic in, 1 x 3.5mm Line in, 1 x 3.5mm Line out
Control	1 x RS232, 1 x RS485
User Interface	Web / NVR / NVR Station client / VMS client
<b>KDM201-D04F HD Decoder Module</b>	
<b>Video</b>	
Compression Format	H.264
Image Resolution	QXGA, 1080p, 720p, D1, CIF, QCIF
Multichannel	2 x QXGA / 4 x 1080p / 8 x 720p / 16 x D1 / 64 x CIF
Layout	1, 2, 4, 9, 16
Frame Rate	1 ~ 60fps
Bitrate	64kbps ~ 8Mbps
<b>Audio</b>	
Compression Format	G.711a / G.711u / ADPCM / G.722 / AAC-LC / AMR
Bitrate	32kbps ~ 64kbps
<b>Interfaces</b>	
Video Out	4 x HDMI
Audio In / Out	1 x 3.5mm Line in, 1 x 3.5mm Line out
Control	1 x RS232, 1 x RS485
User Interface	Web / NVR / NVR Station client / VMS client



# IPA102

## Network Video Adapter



### Specifications

	IPA102
<b>Video</b>	
Compression Format	H.264
Image Resolution	D1, CIF, QCIF
Frame Rate	1 ~ 25fps
Bitrate	64kbps ~ 4Mbps
<b>Audio</b>	
Compression Format	G.711 / ADPCM
Bitrate	32kbps ~ 64kbps
<b>Network</b>	
Network Protocol	TCP/IP, ARP, ICMP, FTP, DNS/DDNS, RTP/RTCP, RTSP, PPPoE, FTP, NTP, SNMP
User Interface	Web
<b>Interfaces</b>	
Ethernet	10/100M, RJ45 interface
Audio In / Out	1 x Line in / 1 x Line out
Control	1 x RS485
Alarm In / Out	1 x Input / 1 x Output
Video In	1 x BNC
Memory Slot	TF card slot
<b>Environmental</b>	
Operating Temperature	-20°C ~ 60°C / -4°F ~ 140°F
Operating Humidity	10% ~ 90%
<b>Electrical</b>	
Power	12V DC (Power adapter included)
Power Consumption	Max. 4W
<b>Mechanical</b>	
Weight	0.2Kg / 0.54lb (Gross Weight)
Dimensions	120 x 64 x 24mm / 4.72" x 2.52" x 0.94"

### Features

#### Mini size

- 0.2Kg / 0.54lb
- 120 x 64 x 24mm / 4.72" x 2.52" x 0.94"

#### Easy to install

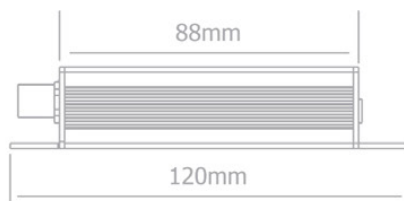
- Built-in Web Server, easy to manage and configure

#### Abundant functions and features

- H.264 high profile video codec, save up to 30% bandwidth and storage
- Dual streams
- TF card slot, support Automatic Network Replenishment (ANR)
- Bi-directional audio / alarm in&out / RS485

### Dimensions

Units: mm



## **KEDACOM**

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