

IP BASED SOLUTION



Network Video Recorder

On a standard installation - the NVR will be the heart of the IP System. It is responsible for the proper communication with the cameras and the constant recording of all the data received from the connected cameras. Unlike DVRs, the NVR doesn't compress the video signal received from the IP camera but just stores it the way it is since it is already compressed by the camera.

All of the NVRs support ONVIF that can be upgraded when newer versions are released. ONVIF is a communication protocol for IP cameras and NVRs. It became the standard protocol and assists IP cameras and NVRs from different companies to be able and interact with each other simply and effectively. Our engineers keep improving and updating the ONVIF compatibility of our IP equipment in order to give the installers the easiest way of working with Provision-ISR IP Products.

Conventional NVRs: This line of NVRs is connected to the network and communicates with the IP cameras through the general network, without the need of direct IP camera connection. This provides the installer highest flexibility in the design of the system and the wiring. Basic knowledge in networking and general IP configuration is required.

Plug & View NVRs: This line of NVRs performs as a local network switch and creating a closed internal network for the IP cameras. The IP cameras will be connected directly to the NVR by one network cable which will provide PoE power and automatically configure the camera for display & record. These NVRs may also perform as a conventional NVRs by dedicating some of the channels to communicating with any ONVIF cameras connected to the network. Minimum to no knowledge in network and IP configuration is needed for this type of installation.

Onvif
Two Way Audio
Dual Video Output
HDMI/VGA Output

PTZ Support
RS-485 Support (For Controller)
Mouse
USB

Remote IR Extention
Web Browser Monitoring
Mobile App Monitoring
CMS Monitoring



**4 CH 720P REAL-TIME PLUG & VIEW NVR
(1080P - 4CH HALF REAL-TIME)
NVR-4100P**



Plug & View
720P



- 4CH PoE / Via Network
- Plug and View
- 720P 4CH Real-Time
- 1080P 4CH Half Real-Time

- Small 1U Case
- Alarm: 1 Output / 4 Input
- Network: 100 Mbps
- 1 HDD Support (3 TB)

**8 CH 720P REAL-TIME PLUG & VIEW NVR
(1080P - 8CH HALF REAL-TIME / 4CH REAL TIME)
NVR-8200P(1U)**



Plug & View
720P 1080P



- 4CH PoE / Via Network
- Plug and View
- 720P 4CH Real-Time
- 1080P 4CH Half Real-Time

- Small 1U Case
- Alarm: 1 Output / 4 Input
- Network: 100 Mbps
- 1 HDD Support (3 TB)

**16 CH 720P REAL-TIME PLUG & VIEW NVR
(1080P - 16CH HALF REAL-TIME / 8CH REAL TIME)
NVR-16400P(2U)**



Plug & View
720P 1080P



- 16CH PoE / Via Network
- Plug and View
- 720P 16CH Real-Time
- 1080P 8CH Real-Time /
- 16CH Half Real-Time

- 2U Case
- Alarm: 4 Output / 16 Input
- Network: 1000 Mbps
- 8 HDD Support (3 TB)

**4 CH 720P NVR
(1080P - 4CH HALF REAL-TIME)**

NVR-4100



- 4CH Via Network
- 720P 4CH Real-Time
- 1080P 4CH Half Real-Time
- Small 1U Case

- Alarm: 1 Output / 4 Input
- Network: 100 Mbps
- 1 HDD Support (3 TB)

**8 CH 720P NVR
(1080P - 8CH HALF REAL-TIME)
NVR-8200**

**8 CH 720P NVR
(1080P - 8CH HALF REAL-TIME / 4CH REAL TIME)
NVR-8200 (1U)**



- 8CH Via Network
- 720P 8CH Real-Time
- 1080P 8CH Half Real-Time
- Small 1U Case

- Alarm: 1 Output / 8 Input
- Network: 100 Mbps
- 1 HDD Support (3 TB)



- 8CH Via Network
- 720P 8CH Real-Time
- 1080P 8CH Half Real-Time /
- 4CH Real-Time

- 1U Case
- Alarm: 1 Output / 8 Input
- Network: 1000 Mbps
- 1 HDD Support (3 TB)

**16 CH 720P NVR
(1080P - 16CH HALF REAL-TIME)
NVR-16400**



- 16CH Via Network
- 720P 16CH Real-Time
- 1080P 16CH Half Real-Time
- Small 1U Case

- Alarm: 1 Output / 16 Input
- Network: 100 Mbps
- 1 HDD Support (3 TB)

**16 CH 720P NVR
(1080P - 16CH HALF REAL-TIME / 8CH REAL-TIME)
NVR-16400 (1U)**



- 16CH Via Network
- 720P 16CH Real-Time
- 1080P 8CH Real-Time /
- 16CH Half Real-Time

- 1U Case
- Alarm: 1 Output / 8 Input
- Network: 1000 Mbps
- 2 HDD Support (3 TB)

**16 CH 720P NVR
(1080P - 16CH HALF REAL-TIME / 8CH REAL-TIME)
NVR-16400 (2U)**



- 16CH Via Network
- 720P 16CH Real-Time
- 1080P 8CH Real-Time /
- 16CH Half Real-Time

- 2U Case
- Alarm: 4 Output / 16 Input
- Network: 1000 Mbps
- 8 HDD Support (3 TB)

**24 CH 720P NVR
(1080P - 24CH HALF REAL-TIME / 16CH REAL-TIME)
NVR-24600**



- 24CH Via Network
- 720P 24CH Real-Time
- 1080P 16CH Real-Time /
- 24CH Half Real-Time

- 2U Case
- Alarm: 4 Output / 16 Input
- Network: 1000 Mbps
- 8 HDD Support (3 TB)

MODELS	Conventional						
	4CH	8CH		16CH			24CH
	NVR-4100	NVR-8200	NVR-8200 (1U)	NVR-16400	NVR-16400 (1U)	NVR-16400 (2U)	NVR-24600
Format	ONVIF NVR	ONVIF NVR	ONVIF NVR	ONVIF NVR	ONVIF NVR	ONVIF NVR	ONVIF NVR
Number of Channels	4	8	8	16	16	16	24
PoE	No	No	No	No	No	No	No
Playback Channels	4	8	8	16	16	16	4
Remote Playback Channels	4	4	4	4	4	4	4
Live Preview While Playback	No	No	No	No	No	No	No
Loop	No	No	No	No	No	No	No
Image Capture	No	No	No	No	No	No	No
Output Type	CVBS,VGA,HDMI	CVBS,VGA,HDMI	CVBS,VGA,HDMI	CVBS,VGA,HDMI	CVBS,VGA,HDMI	CVBS,VGA,HDMI	CVBS,VGA,HDMI
Dual Display	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Case	Small 1U	Small 1U	1U	Small 1U	1U	2U	2U
Audio Input	Depends on Camera	Depends on Camera	Depends on Camera	Depends on Camera	Depends on Camera	Depends on Camera	Depends on Camera
Audio Output	1	1	1	1	1	1	1
Two Way Audio	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Mic In	1	1	1	1	1	1	1
Alarm In	4	8	8	16	16	16	16
Alarm Out	1	1	1	1	1	4	4
PTZ Control	RS485	RS485	RS485	RS485	RS485	RS485*2	RS485*2
Recording CIF	No	No	No	No	No	No	No
Recording Channels CIF	No	No	No	No	No	No	No
Recording D1	100/120 FPS (Total)	200/240 FPS (Total)	200/240 FPS (Total)	400/480 FPS (Total)	400/480 FPS (Total)	400/480 FPS (Total)	600/720 FPS (Total)
Recording Channels D1	4ch @ 25/30 FPS	8ch @ 25/30 FPS	8ch @ 25/30 FPS	16ch @ 25/30 FPS	16ch @ 25/30 FPS	16ch @ 25/30 FPS	24ch @ 25/30 FPS
Recording 960H	No	No	No	No	No	No	No
Recording Channels 960H	No	No	No	No	No	No	No
Recording 720P	100/120 FPS (Total)	200/240 FPS (Total)	200/240 FPS (Total)	400/480 FPS (Total)	400/480 FPS (Total)	400/480 FPS (Total)	600/720 FPS (Total)
Recording Channels 720P	4ch @ 25/30 FPS	8ch @ 25/30 FPS	8ch @ 25/30 FPS	16ch @ 25/30 FPS	16ch @ 25/30 FPS	16ch @ 25/30 FPS	24ch @ 25/30 FPS
Recording 1080P	50/60FPS(Total)	100/120 FPS (Total)	100/120 FPS (Total)	200/240 FPS (Total)	200/240 FPS (Total)	200/240 FPS (Total)	400/480 FPS (Total)
Recording Channels 1080P	4ch @ 12/15FPS	8ch @ 12/15FPS	8ch @ 12/15FPS	16ch @ 12/15FPS	16ch @ 12/15FPS	16ch @ 12/15FPS	24ch @ 12/15FPS
Real-Time 1080P	No	No	4ch @ 25/30 FPS	No	8ch @ 25/30 FPS	8ch @ 25/30 FPS	16ch @ 25/30 FPS
H.264 Compression	High profile	High profile	High profile	High profile	High profile	High profile	High profile
HDD	1(3TB)	1(3TB)	2(3TB)	1(3TB)	2(3TB)	8(3TB)	8(3TB)
USB Port	2	2	2	2	2	2	2
E-SATA	No	No	No	No	No	2	2
Ethernet	100Mbps	100Mbps	1000Mbps	100Mbps	1000Mbps	1000Mbps	1000Mbps
DVD Burner	No	No	Optional	Optional	Optional	Optional	Optional
Master Stream	1-12/15 FPS @1080P 1-25/30 FPS @720P 1-25/30 FPS @D1	1-12/15 FPS @1080P 1-25/30 FPS @720P 1-25/30 FPS @D1	1-12/15 FPS @1080P 1-25/30 FPS @720P 1-25/30 FPS @D1	1-12/15 FPS @1080P 1-25/30 FPS @720P 1-25/30 FPS @D1	1-12/15 FPS @1080P 1-25/30 FPS @720P 1-25/30 FPS @D1	1-12/15 FPS @1080P 1-25/30 FPS @720P 1-25/30 FPS @D1	1-12/15 FPS @1080P 1-25/30 FPS @720P 1-25/30 FPS @D1
Network Stream	1-25/30 FPS @CIF	1-25/30 FPS @CIF	1-25/30 FPS @CIF	1-25/30 FPS @CIF	1-25/30 FPS @CIF	1-25/30 FPS @CIF	1-25/30 FPS @CIF
Max Simultaneous Users	20	20	20	20	20	20	20
IR Remote	Yes	Yes	Yes	Yes	Yes	Yes	Yes
IR Extention	Optional	Optional	Optional	Optional	Optional	Optional	Optional
Mouse	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Power Supply	DC12V/2A	DC12V/2A	DC12V/4A	DC12V/2A	DC12V/4A	AC110V/220V	AC110V/220V

MODELS	PoE		
	4CH	8CH	16CH
	NVR-4100P	NVR-8200P(1U)	NVR-16400P(2U)
Format	PoE ONVIF NVR	PoE ONVIF NVR	PoE ONVIF NVR
Number of Channels	4	8	16
PoE	4 (RJ-45/Network)	8 (RJ-45/Network)	16 (RJ-45/Network)
Playback Channels	4	8	16
Remote Playback Channels	4	4	4
Live Preview While Playback	No	No	No
Loop	No	No	No
Image Capture	No	No	No
Output Type	CVBS,VGA,HDMI	CVBS,VGA,HDMI	CVBS,VGA,HDMI
Dual Display	Yes	Yes	Yes
Case	Small 1U	1U	2U
Audio Input	Depends on Camera	Depends on Camera	Depends on Camera
Audio Output	1	1	1
Two Way Audio	Yes	Yes	Yes
Mic In	1	1	1
Alarm In	4	8	16
Alarm Out	1	1	4
PTZ Control	RS485	RS485	RS485
Recording CIF	No	No	No
Recording Channels CIF	No	No	No
Recording D1	100/120 FPS (Total)	200/240 FPS (Total)	400/480 FPS (Total)
Recording Channels D1	4ch @ 25/30 FPS	8ch @ 25/30 FPS	16ch @ 25/30 FPS
Recording 960H	No	No	No
Recording Channels 960H	No	No	No
Recording 720P	100/120 FPS (Total)	200/240 FPS (Total)	400/480 FPS (Total)
Recording Channels 720P	4ch @ 25/30 FPS	8ch @ 25/30 FPS	16ch @ 25/30 FPS
Recording 1080P	50/60FPS(Total)	100/120 FPS (Total)	200/240 FPS (Total)
Recording Channels 1080P	4ch @ 12/15FPS	8ch @ 12/15FPS	16ch @ 12/15FPS
Real-Time 1080P	No	4ch @ 25/30 FPS	8ch @ 25/30 FPS
H.264 Compression	High profile	High profile	High profile
HDD	1(3TB)	2(3TB)	8(3TB)
USB Port	2	2	2
E-SATA	No	No	2
Ethernet	100Mbps	1000Mbps	1000Mbps
DVD Burner	No	Optional	Optional
Master Stream	1-12/15 FPS @1080P 1-25/30 FPS @720P 1-25/30 FPS @D1	1-12/15 FPS @1080P 1-25/30 FPS @720P 1-25/30 FPS @D1	1-12/15 FPS @1080P 1-25/30 FPS @720P 1-25/30 FPS @D1
Network Stream	1-25/30 FPS @CIF	1-25/30 FPS @CIF	1-25/30 FPS @CIF
Max Simultaneous Users	20	20	20
IR Remote	Yes	Yes	Yes
IR Extention	Optional	Optional	Optional
Mouse	Yes	Yes	Yes
Power Supply	DC12V/3A+AC48V/1A	AC110V/220V	AC110V/220V