

# Embedded Hybrid XVR & NVR

## B Series class Upgrade! Must-have in Small System



### Product Description

B Class Series are Linux-based standalone hybrid video recorder and network video recorder are provided with Taiwan's well-known NOVATEK chips, which can not only effectively improve video recording performance, but also solve the doubts about the security during image. Don't worried about the data being stolen when data transmission. 3S XVR & NVR are available in 4, 8 and 16-channel models with plug and play immediately. With advanced H.265 compression technology, users are able to experience 4K quality video.



#### Taiwan's NOVATEK chips

B Class Series are embedded with Taiwan's NOVATEK chips. Don't worried about the images and data being stolen when transmitting.



#### Fully functional upgrade

It supports a variety of viewing modes and video recording modes and it is easy to use and improve the user experience.



#### H.265 compression technology

H.265 compression technology can maintain high-definition images and reduce the storage space of video files.



#### Ultra high-definition video

B Class Series support up to 4K or 8MP resolution video display. All users are able to experience Full HD quality video.



### Enhance user's experience

B Class Series XVR and NVR are specially designed for small system video recording. Intuitive UI interface and simple configuration are the major item for our development. These recorders can directly connect HD analog or IP cameras via plug and play makes user's experience upgrade.



### 4K high-definition real-time video

The latest H.265 compression technology can provide higher image compression rate and high-definition images. The functions of recording modes and export files are supported up to 4K resolution and effectively reduce the storage space of video. In addition, B series XVR and NVR can accomplish real-time monitoring, video recording, playback and other functions simultaneously.



### Set segmentation page and window size

B Series XVR and NVR provides a variety of image segmentation page templates, users can set segmentation page and window size. B Series XVR and NVR support image digital enlarge on live view or video playback and could self-define the enlarge area and export the image.



### Flexible video recording modes

The 3S new generation B series XVR and NVR is provided with flexible video recording modes, such as cancel recording, full-time recording, scheduling and event recording to achieve more effective monitoring and management.



### Smart search

Smart search can quickly search for video files by date, timeline, schedule and event.



### Support Remote live view

Users can view images and playback images in real time through P2P simple network settings and smart mobile APP. It is easy-to-use way to achieve live monitoring at any time.



## 4CH / 8CH / 16CH Linux Embedded Hybrid XVR

- Linux base
- H.265 / H.264 video compression
- 5 in 1 Video input ( TVI / AHD / CVI / CVBS / IP )
- Support 4K (3820 x 2160) screen output
- Support 3.5" HDD x 2 (max)
- Maximum storage capacity 8TB for each disk
- P2P instant internet connection for Android / IOS system

Model No.		X10042-B	X10082-B	X20162-B
Analog Video Input		4CH	8CH	16CH
IP Video Input		2CH (only IP up to 6CH)	4CH (only IP up to 12CH)	4CH (only IP up to 20CH)
Video Input		HDTVI / AHD / CVI / CVBS / IP		
Video Output		BNC x 1 (704x576), VGA x 1 (1920x1080), HDMI x 1 (3840x2160 4K)		
Audio In / Out		Audio in x 4, Audio out x 1	Audio in x 8, Audio out x 1	Audio in x 16, Audio out x 1
Compression		H.264 / H.265		
Frame Rate	Main-stream	Analog: 5MP-Lite: 12fps, 4MP-Lite: 16fps , 1080P: 15fps, 720P: PAL: 25fps / NTSC: 30fps IP : PAL: 25fps / NTSC: 30fps	Analog: 5MP-Lite: 15fps, 4MP-Lite: 18fps , 1080P: 15fps, 720P: PAL: 25fps / NTSC: 30fps IP : PAL: 25fps / NTSC: 30fps	Analog: 5MP-Lite: 12fps, 4MP-Lite: 16fps , 1080P: 19fps, 720P: PAL: 25fps / NTSC: 30fps IP : PAL: 25fps / NTSC: 30fps
	Sub-stream	PAL: 704x576: 10fps / NTSC: 704x480: 10fps	PAL: 704x576: 10fps / NTSC: 704x480: 10fps	PAL: 704x576: 10fps / NTSC: 704x480: 10fps
Playback		5MP-Lite: 48fps, 4MP-Lite: 64fps, 1080P: 60fps, 720P: 120fps	5MP-Lite: 90fps, 4MP-Lite: 126fps 1080P: 120fps, 720P: 240fps	5MP-Lite: 96fps, 4MP-Lite: 128fps 1080P: 120fps, 720P: 240fps
SATA		3.5" SATA I/II/III HDD x 1 (Up to 8TB Capacity for each disk)		3.5" SATA I/II/III HDD x 2 (Up to 8TB Capacity for each disk)
Alarm In / Out		Alarm in x 4, Alarm out x 1	Alarm in x 8, Alarm out x 1	Alarm in x 16, Alarm out x 1
Power Supply		DC12V / 2A		DC12V / 5A
Dimensions		(W)300x(L)227x(H)53mm	(W)300x(L)227x(H)53mm	(W)378x(L)340x(H)50mm

# Embedded Hybrid NVR



## 4CH / 8CH / 16CH Linux Embedded Hybrid NVR

- Linux base
- H.265 / H.264 video compression
- Support 4K (3820 x 2160) screen output
- Support HDMI 4K x 1 / VGA x 1
- Maximum storage capacity 10TB for each disk
- P2P instant internet connection for Android / IOS system

Model No.		R10042-B 4 PSE	R10082-B 8 PSE	R20162-B 16 PSE
Video Input		4CH	8CH	16CH
Video Output		HDMI x 1 ( 3840x2160/EDID ) , VGA x 1 ( 1920x1080 )		
Decoding Capability		4K: 30fps ; 4MP: 60fps ; 2MP: 120fps	4K: 45fps ; 4MP: 90fps ; 2MP: 180fps	4K:45fps ; 4MP:90fps ; 2MP:180fps
Audio In / Out		Audio in x 1, Audio out x 1		
Compression		H.264 / H.265		
Recording Resolution		8MP, 5MP, 3MP, 2MP(1080P), 1.3MP(960P), 1.0MP(720P)		
Synchronous Playback		4CH	8CH	16CH
Live View / Playback Resolution		8MP, 5MP, 3MP, 2MP(1080P), 1.3MP(960P), 1.0MP(720P)		
PoE Interface		4 port, RJ45 10/100 Mbps	8 port, RJ45 10/100 Mbps	16 port, RJ45 10/100 Mbps
PoE Standard		IEEE 802.3af		
Power		≤30W	≤72W	≤144W
SATA		3.5" SATA I/II/III HDD x 1 (Up to 10TB Capacity for each disk)		3.5" SATA I/II/III HDD x 2 (Up to 10TB Capacity for each disk)
Alarm In / Out		Alarm in x 4, Alarm out x 1	Alarm in x 8, Alarm out x 1	Alarm in x 8, Alarm out x 1
Power Supply		DC48V / 1.2A	DC48V / 1.5A	DC48V /3.75A
Dimensions		(W)300x(L)227x(H)53mm	(W)300x(L)227x(H)53mm	(W)378x(L)340x(H)50mm