

Artnix

MPEG4



H.264



**H.264**  
Multi-Resolution Recording

High quality DVR to regard for user convenience

# ANX-1640H+/940H+/440H+

H.264 Stand-alone DVR



- 01\_ H.264 16CH/ 9CH/ 4CH stand-alone DVR series
- 02\_ The world's only dual indexing file system
- 03\_ PENTAPLEX Operates Record, Playback, Network, Copy, Mirroring simultaneously
- 04\_ Individual settings per channel
- 05\_ External HDD Bay support
- 06\_ Backup to remote FTP Server
- 07\_ Copy: USB memory stick, CD R, CD RW, DVD±RW, DVD RAM, DVD+R, DVD-R, FTP
- 08\_ Built-in File player on copied media and avi convering
- 09\_ Search: Calendar, Time and Event, Text, Block, File(back-up data)
- 10\_ CMS(Central Management Software): max. 64CH display and infinite number of DVR management
- 11\_ Web base remote setup,DVR control
- 12\_ Email event notification with JPEG
- 13\_ Time synchronization: Internet time adjustment, Time trimming manually, Daylight savings time
- 14\_ POS support with easy text string search, text information overlay on record data
- 15\_ CCTV on mobile support (Win-ce mobile phone support)
- 16\_ Immediate network responce with the delay under 0.2 Sec
- 17\_ User selectable VGA resolution
- 18\_ HDD S.M.A.R.T support
- 19\_ DDNS(Dynamic DNS),Auto Port forwarding(UPnP)
- 20\_ Snap shopt (JPEG capture)
- 21\_ Support watermark & Digital code integrity checking
- 22\_ Bitmap title support
- 23\_ Two-way full duplex Audio
- 24\_ PTZ full function support

**16CH : CIF at 480 FPS Recording**

**9CH : CIF at 270 FPS Recording**

**4CH : 4CIF at 120 FPS Recording**



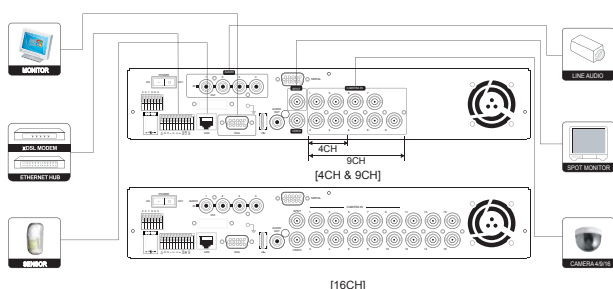
# Specifications

## ANX-1640H+/940H+/440H+

<b>VIDEO</b>		ANX-1640H+/940H+/440H+		
Video Input		16CH/ 9CH/ 4CH (BNC)		
Input Level		1.0Vp-p±10% Composite, 75Ω Balanced		
Main TV Output		1.0 Vp-p Composite, 75Ω Balanced		
Analog Spot Monitor Output		1.0 Vp-p Composite, 75Ω Balanced		
Camera Name		Max. 12 Characters, Bitmap Support		
Main Monitor Split Control		1, 2(PIP), 4, 6, 7, 8, 9, 10, 13, 16		
Screen Rotate Control		0~60 Seconds		
Display	Resolution	NTSC	720(H) x 480(V)	
		PAL	720(H) x 576(V)	
	Speed	NTSC	480/ 270/ 120 fps (Every CH Real Time)	
		PAL	400/ 225/ 100 fps (Every CH Real Time)	
Function		Auto sequence 1, 4, 9, 16 Split, PIP		
<b>AUDIO</b>				
Compression		G.723		
Audio Input (Line)		4CH (RCA)		
Input Level		Max 2.0Vp-p@10KOhm		
Audio Output (Line)		1CH (RCA)		
<b>RECORDING</b>				
Compression		H.264 Base line profile		
Resolution	NTSC	704(H) x 480(V)	704(H) x 240(V)	352(H) x 240(V)
	PAL	704(H) x 576(V)	704(H) x 288(V)	352(H) x 288(V)
Speed	NTSC	352 x 240	Max. 480/ 270/ 120 ips (CIF)	
		704 x 240	Max. 240/ 240/ 120 ips (Half D1)	
		704 x 480	Max. 120/ 120/ 120 ips (D1)	
	PAL	352 x 288	Max. 400/ 225 / 100 ips (CIF)	
		704 x 288	Max. 200/ 200/ 100 ips (Half D1)	
		704 x 576	Max. 100/ 100/ 100 ips (D1)	
Operation performance		Pentaplex		
Each CH	Frame Setting	Available		
	Event, Normal	Available		
	Resolution	Available		
	Quality	Support 4 level (Low,Normal,Fine,Best)		
Setup per Channel		Individual		
Record Period		Automatic data delete for privacy		
Data Size		1~3KB (CIF), 3~7KB (D1/2), 6~15KB (D1)		
Recording Mode		Normal (Continuous), Event (Motion detection, Sensor, Video loss), Schedule, Holiday		
Pre-Alarm		Max. 5 Seconds		
Watermark & Digital integrity		Support		
Schedule		24 groups per day by an hour, User can configure holiday		
Day light saving time		Support		
HDD	Internal Storage	1HDD (2TB/HDD)		
	Speed	5,400RPM		
	DMA	133MHz DMA		
	Type	SATA compatible		
	External Storage	USB 2.0 High-Speed		
	HDD Bay Interface	XHD-3U, XHD-10UX4		
<b>SEARCHING &amp; PLAYBACK</b>				
Searching Method		Time, Calendar, Event		
Playback & Reverse Playback		1, 2, 4, 16, 32, 64, 128 velocity 1/2, 1/4, 1/16, 1/32, 1/64, 1/128		
Playback De-interface		ON/ OFF		
<b>COPY</b>				
Internal CD/DVD±RW		Built-in		
Media Support		CD-R/ CD-RW/ DVD±RW/ DVD RAM		
USB 2.0		USB memory stick, External USB HDD/CD RW/DVD RW		
Windows compatibility		FAT32		

<b>BACKUP</b>		
Automatic Backup (Mirroring)	Event, Mirroring, Full Mirroring	
Capacity	Each HDD configurable as Back-up	
<b>ALARM</b>		
Sensor Input	Programmable polarity	
Alarm Output	1 Relay output (NO,NC,CM)	
Motion Detection	Available For Each Camera Multiple Detection Level	
<b>MULTI-REMOTE SURVEILLANCE</b>		
Monitoring Environment	Client Software, Central Monitoring System, Web Browser, Mobile Viewer	
Transmission Rate	NTSC : 150(CIF), PAL : 125(CIF)	
No. of connection	Supporting Multi-Client (16 Clients accessible)	
<b>SYSTEM MONITORING &amp; RECOVERY</b>		
System Logging	Power Failure Checkable/Menu Change/Network connection	
Monitoring	Hardware Watchdog	
Recovery	Auto-Recovery By Watchdog, Automatic Database Recovery	
<b>CONNECTOR</b>		
Video Input	16CH/ 9CH/ 4CH (BNC)	
Main Monitor Output	Composite	BNC 1 Port (Rear)
	VGA Output	1 Port (15 pins female D-SUB)
	DVI	Option
Spot Monitor Output	BNC 1 Port	
Audio Input (Mono)	4CH/ 4CH /4CH (RCA)	
Audio Output (Mono)	1CH/ 1CH /1CH (RCA)	
HDD Bay Connection	USB 2.0	
<b>Firmware upgrade</b>		
External Control (RS - 485)	2 Pins Terminal Block	
Sensor Input	4CH/ 9CH/16CH Terminal Block (Include Ground Common 4Pins)	
Alarm Output	1Relay, 3Terminals (NO,NC,CM)	
PTZ(RS-485)	2 pins Terminal Block, Half Duplex	
Ethernet	RJ-45, 10/100Mbps	
USB 2.0	Front 2 ports, Rear 1 port	
<b>ELECTRICAL</b>		
Power Source	DC 5A	
Power Consumption	Approx. 50 Watts (Including 1 HDD)	
<b>ENVIRONMENTAL</b>		
Operating Temp.	0°C ~ +45°C	
Storage Temp.	-10°C ~ +60°C	
Humidity	30 ~ 90%RH (Non-Condensing)	
<b>PHYSICAL</b>		
Construction Shape	Industrial, Professional	
Construction Material	Plastics Front Steel Case	
Body Color	Black	
Dimension	280(w) x 216.5(D) x 32.3(H) mm	
Weight	Approx. 2kg	
<b>OTHERS</b>		
OS	Embedded Linux	
Language	English, Korean, Japanese, Polish, Spanish, Russian, Chinese, Taiwanese, French, Turkish, German, Italian, Portuguese	
Control Device	Front key, Remote controller, Mouse, External Keyboard	
PTZ	Pelco D-Type, Pelco P-Type, SPD, SRX, SCC-643, DSC-230S, TK-C655/676 (JVC), CS-854A, DMP23, VC-C4R, LPT-A100L, SK-D106, SD-290, PCS-Series, BOSCH, EZ Protocol	
Number of Event list / Log list	50,000 per 1HDD / 20,000	
<b>Bay Option Spec.</b>		
DVD+R,DVD-R	XHD-3U	
HDDs	3 SATA HDDs	
USB2.0 input	1 port	
Power Source	DC12V/5A	
LED indication in Front	Power, HDD	
Fan	One Ball bearing Type (25MM 2p wire)	
Accessories	AC 110/220 free input AC Adaptor(DC12V),Manual	
Dimension	280(w) x 216.5(D) x 32.3(H) mm	
Weight	Appx. 2.0kg	

## SYSTEM DIAGRAM



\* This Spec-sheet can be changed.



XHD-3U (3HDD Expansion Bay)