



Characteristics

- Supports H.264 codec
- Supports 4K display & Dual display
- Up to Max. 5M recording
- All In One : Supports TVI/AHD/CVBS/IP
- Supports Various IP Camera by ONVIF
- Supports VA : Various Video Analytics function
- Supports CVBS Spot Monitor
- HD monitor and VGA Video Output
- Supports P2P
- Compact Size & easy to install the HDD



Specification

CHANNELS		8CH		
VIDEO	INPUT SIGNAL	SD(960) / AHD,TVI(HD,FHD)/ 3,4,5M		
	IP HYBRID	MAX. 8CH IP, 2MP@30		
	MAIN MONITOR	HDMI / VGA		
	SPOT OUT	1(CVBS)		
AUDIO	LOOP THROUGH	no		
	INPUT SIGNAL	4CH(10KOhm, 2.8Vpp)		
	OUTPUT SIGNAL	1CH(600Ohm, 2.8Vpp)		
	CODEC	G.711 ulaw		
RECORDING	CODEC	H.264		
	REC. RATE	[Analog] Upto 160FPS@1296x1944(5M Half) Upto 96FPS@2592x1944(5M) Upto 240FPS@1344x1520(4M Half) Upto 240FPS@1280x1440(4M Half) Upto 120FPS@2688x1520(4M) Upto 120FPS@2560x1440(4M) Upto 240FPS@1024x1536(3M Half) Upto 144FPS@1920x1536(3M) Upto 240FPS@ FHD [IP] Upto 240FPS@ FHD Up to 240FPS@ 2CIF Up to 240FPS@ CIF		
		REC. RESOLUTION	CIF, 2CIF, D1, 960H, 720P, 1080P, 3M, 4M, 5M	
		ALARM I/O	ALARM INPUT: 2CH ALARM OUT: 1CH(RELAY)	
		STORAGE	INTERNAL HDD	2EA
			EXTERNAL STORAGE	no
		INTERFACE	INTERNAL ODD	no
USB	2x front			
RS-485	1			
RS-232	-			
LAN	1x 10/100			
POWER	REMOTE CONTROL	YES		
	POWER SUPPLY	12V/3A		
ENVIROMENT	POWER CONSUMPTION	13W max. without HDD		
MONITORING	TEMPERATURE / HUMINITY	0°C ~ 40°C (32°F~104°F) / 10 ~ 90% NC		
	DISPLAY RATE	[Analog] Upto 160FPS@1296x1944(5M Half) Upto 96FPS@2592x1944(5M) Upto 240FPS@1344x1520(4M Half) Upto 240FPS@1280x1440(4M Half) Upto 120FPS@2688x1520(4M) Upto 120FPS@2560x1440(4M) Upto 240FPS@1024x1536(3M Half) Upto 144FPS@1920x1536(3M) Upto 240FPS@ FHD [IP] Upto 240FPS@ FHD		
		DISPLAY RESOLUTION	1920x1080(HD Display, VGA), Dual Display (Mirroring)	
		DISPLAY MODE	1,4,6,8,9	
		SEQUENCE	Programmable Sequence	
		DIGITAL ZOOM	YES	
		COVERT CAMERAS	YES	
		CAMERA COLOR CONTROL	YES (CONTRAST, COLOR, TINT, BRIGHTNESS)	
		PTZ CAMERA	YES	
		RECORD	SCHEDULE METHOD	DAILY/WEEKLY EACH HOUR
			PROGRAMMABLE FOR CH	YES
			MANUAL RECORDING	YES
			POST-EVENT RECORDING	5/10/15/20/30/60/180 SEC
EVENT RECORDING	YES			
PRE-EVENT RECORDING	0/1/2/3/4/5/10/15 SEC			
PANIC RECORDING	YES			
EVENT LOGGING	YES (MOTION,ALARM,PANIC,VLOSS)			
SEARCH & PLAYBACK	SYSTEM LOGGING	YES (SYSTEM ON/OFF, TIME CHANGED, H.D/D/EMAIL OPERATIONS, SYSTEM OPERATIONS)		
	SETUP LOGGING	YES (SETUP CHANGED)		
	REMOTE LOGGING	YES (WHO, IP ADDRESS, REMOTE OPERATIONS)		
	PLAYBACK RATE	Same as Recording Rate		
ARCHIVING	PLAYBACK SPEED	x1, x2, x4, x8, x16, x32, x64		
	SEARCH TYPE	CALENDER / EVENT / TIME / THUMBNAIL		
	ARCHIVING DEVICES	USB Memory, FTP		
	REMOTE ARCHIVING	YES (WEB RA, VMS, FTP)		
	SNAPSHOT ARCHIVING	YES		
	DATA RESERVING	YES		
	RESERVED DATA LIST MANAGEMENT	YES		
	BACKUP DATA FORMAT	AVI, RAW		
	WATERMARK	YES		
	WATERMARK VARIIFICATION	YES		
NETWORK	ARCHIVED DATA PLAYBACK	YES		
	MAX. CONNECTIONS	32 USERS		
	DHCP / DDNS	YES		
	TRANSMISSION RATE	MAX 120 FPS		
	BANDWIDTH CONTROL	YES		
	WEB BROWSER ACCESS	YES		
	REMOTE FUCNTION	REMOTE MONITORING / PLAYBACK / ARCHIVING / SETUP / PTZ CONTROL / HEALTH CHECK		
	VMS SUPPORT	YES		
	TWO-WAY AUDIO	YES		
	PC BASED REMOTE AGENT	YES		
	SMART PHONE APPLICATION	YES (iOS, Android)		
	WEB BASED REMOTE AGENT	YES (WINDOWS®, LINUX, MAC OS/X®, ETC.)		
	SDK	YES (HTTP, RTSP Protocol Base)		
	AUTO ROUTER PORT FORWARDING	YES		
	DUAL STREAMING	YES		
FTP CLIENT	YES (For ARCHIVING)			
E-MAIL	YES (SMTP CLIENT)			
AUTHORITY CONTROL	ADMIN / MANAGER / USER			
PROTOCOLS	RTP, RTSP, RTCP, SMTP, NTP, HTTP, FTP, DDNS, DHCP, Upnp (Router Port Forwarding)			
EVENT	TYPE	VIDEO LOSS EVENT / EVENT NOTIFICATION / EVENT POPUP / MOTION DETECTION / MOTION SENSOR AREA		