



CLARITY | INNOVATION | VISION

Stoic Technologies 16 Channel HD XVR System with (8) Cameras, HD1080P, Hybrid XVR, IP66 Weatherproof Cameras, Choose Bullets or Domes (Mix and Match) up to 16 Cameras, Audio*, Night Vision, Email Alerts, View from anywhere, Free App, Up to 6TB HDD, 3 Year Warranty

SAS-1680B



SAS-1680D



SPECIFICATIONS:

Model NO.	SAS-1680B	SAS-1680D
Package		
NVR	1x SAS-XVR1600	
Camera	8 X STH-B2081W	8 X STH-D1061W
Cable	8X 18m BNC+DC Cable, 1x (1 to 5CH power cable splitter)	
Mouse	1xUSB 2.0 Mouse	
Hard Disk	1x2TB Seagate hard disk ST1000VX005 (Upgradeable)	
Adaptor	1xDC12V/4A with 8 way splitter / 1 DVR Power Supply	
Weight	17.9kg/SET	
Camera Model	STH-B2081W	STH-D1061W
Image Sensor	F23	
DSP	FH8536H	1/2.8" Sony Starvis Sensor
Image Resolution	1080P / 960H (Switchable)	
Effective Pixels	1920*1080	
TV System	PAL/NTSC	
Electronic Shutter	1/25s~1/50,000s , 1/30s~1/60,000s	
S/N Ratio	≥50dB	
Scanning System	Progressive Scan	
Lens		
Focus Length	3.6mm/F2.0 (FOV = 80 Degrees)	
Focus Control	Fixed	
Lens Type	Fixed	
Pixels	5M Pixels	

Auto Iris Support	NO	
Night Vision		
Infrared LED	42μ x 2PCS	14μ x 18PCS
Infrared Distance	30M (98 Feet)	20M (82 Feet)
IR Status	Under 10 Lux by CDS	
IR Power On	CDS Auto Control	
Camera Features		
Day/Night	YES	
OSD Menu Language	YES	
White Balance	AUTO / MANUAL	
Gain Control	AUTO	
Noise Reduction	3DNR	
Picture Adjustment	YES	
WDR	YES	
OSD Support	YES	
UTC	YES	
General		
Housing	Metal	
Bracket	NO	
Dual Voltage	NO	
IR Cut Filter	YES	
Heater	NO	
Operation Temperature	-10℃ ~ +50℃ RH95% Max	
Storage Temperature	-20℃ ~ +60℃ RH95% Max	
Power Source	DC12V±10%, 500mA	
Dimension	157(W) x 70(H) x 66(D)mm	∅ 94.5 x 76(H) mm
Weight	650g	450g
Model	SAS-XVR1600	
System		
Main Processor	HI3520D	
Operating System	Embedded LINUX	
Video		
Input	Analog: 16*2MP Analog+Network:14*Analog(2MP)+2*network(Max 8MP),12*Analog(2MP)+4*network(Max 8MP),10*Analog(2MP)+6*network(Max 8MP),8*Analog(2MP)+8*network(Max 8MP),6*Analog(2MP)+10*network(Max 8MP),4*Analog(2MP)+12*network(Max 8MP),2*Analog(2MP)+14*network(Max 8MP) Network: 16*network(Max 8MP)(Total incoming bandwidth ≤80M)	
Input	16CH BNC	
Signal Type	Analog/AHD/CVI/TVI 2.0/Network	
Output	1HD,1 VGA	
Audio		

Input	2 Channel, RCA
Two-way Audio	NO
Output	1 Channel, RCA
Alarm	
Sensor Input	NO
Output	NO
Motion Detection	16 Channel(max 9 Channel in pure network mode)
Trigger Events	Recording, Email, Screen tips, Buzzer, Push Notifications (Motion Detection)
Email Alarm	Send Image to The Designated E-mail
PTZ	
Interface	RS485
Protocol	Pelco-D, Pelco-P
Baud Rate	110~921600
Address	0~255
Display	
VGA	Resolution: 1920 × 1080P /60Hz, 1280 × 1024 /60Hz, 1280 × 720 /60Hz,1024 × 768 /60Hz
HD Output	Resolution: 3840×2160/30Hz, 2560×1440/30Hz, 1920 × 1080P /60Hz, 1280 × 1024 /60Hz, 1280 × 720 /60Hz,1024 × 768 /60Hz
Display Split	16 Channel, 9 Channel, 8 Channel, 4 Channel, 1Channel
Privacy Masking	3 Rectangular Zones (Each camera)
OSD	Camera title, Time, Video loss, Alarm, Motion detection, Recording
Recording	
Video Compression	H.265, H.265+, H.264, H.264+
Audio Compression	G.711u
Resolution	Half 1080P(960×1080);720P(1280×720);960H(P:960×576/N:960×480)
Video Quality	worst/worse/ordinary/well/best
Record Rate	Analog: PAL:Half 1080P(960×1080 16*15fps),720P(1280×720 16*15fps), 960H(960×576 16*22fps) NTSC:Half 1080P(960×1080 16*15fps),720P(1280×720 16*15fps), 960H(960×480 16*22fps) Pure IP(H.265): PAL :4k@8x25fps, 5MP@12x25fps,4MP@16x25fps, 3MP@16x25fps, 1080P@16x25fps, 960P@16x25fps, 720P@16x25fps, D1@16x25fps NTSC:4k@8x30fps, 5MP@12x30fps,4MP@16x30fps, 3MP@16x30fps, 1080P@16x30fps, 960P@16x30fps, 720P@16x30fps, D1@16x30fps
Record Mode	Manual\Timer\Motion Detection
Playback & Backup	
Decode Capability	4CH X 1080P@30fps
Sync Playback	Pure Analog: 16CH 1080N@15fps Mixture mode: Analog(4*1080N@15fps, 4*1080P15fps, 4*720P@15fps, 4*960H@22fps); IPC(4*1080N@30fps, 2*2560*1440@25fps, 1*2560*1920@30fps+1*1080N@30fps, 1*1080P@30fps+1*5M@30fps, 1*3840*2160@30fps) Pure Network: 1CH 4K@30fps, 1CH 5MP@30fps, 2CH 4MP@30fps, 3CH 3M@30fps, 4CH 1080P@30fps, 4CH 960P@30fps, 4CH 720P@30fps
Remote Playback	4 Channel / 1 Channel
Search Mode	ALL, Channel, Manual, Time, Date, Motion Detection
Playback Functions	Play, Pause, Stop, Fast play, Rewind, Digital Zoom and Full Screen
Smart Phone Playback	4 Channel

Backup Mode	USB Device(With Format FAT 32) / Network
Network	
Interface	1 RJ45 10M/100M Adaptive Ethernet Interface
Network Functions	TCP/IP, HTTP, UPnP, DNS, NTP, SMTP, PPPoE, DHCP, FTP, DDNS, RTP, RTSP, RTCP
DDNS	Dyndns, changeip, no-ip, Oray, A-PRESS, MYQSEE, SKDDNS, SMART-EYES, ZEBEYE
Web Browser	IE8-11, Google Chrome (Lower than Ver. 44), Firefox (Lower than Ver. 53)
CMS Software	Support Windows 7/Windows 8/Windows 10
Extra Stream	CIF (1~15fps)
Smart Phone	iPhone, ipad, Android ,Android pad
Hard Disk Driver	
Interface Type	1 SATA Interface
Capacity	2.5"/3.5" SATA, Up to 8TB
General	
Language	Chinese, English, Polish, Czech, Russian, Thai, Hebrew, Arabic, Bulgarian, Farisa German, French, Portuguese, Turkic, Spanish, Italian, Hungarian, Romanian, korean, Dutch, Greek
UTC Control	YES
USB Interface	2 USB 2.0 Interfaces
Power consumption	DC 12V ≤6W (Without Hard Disk)
Working Environment	-10~55°C/10~90%
Dimension (W×D×H)	260*215*43(mm)
Weight	14kg
Included in Package: (1) 16 Channel HD XVR Recorder with 2TB HDD* Optional up to 8TB (8) Weatherproof Bullet OR Dome Cameras or Mix (8) HD Quality 60 Foot Plug and Play Video Power Cables (1) 8 Channel Power Supply for Cameras (1) Power Adapter for DVR (1) USB Mouse (1) Quick Start Guide www.stoiccctv.com	