



HD

4X SERIES 4-CHANNEL 8 MEGAPIXEL HYBRID+ SECURITY DVR

Hybrid+ technology supports analog, analog HD, HD-TVI, HD-CVI and IP cameras, for complete flexibility when upgrading your existing video security system

This hybrid+ security DVR is equipped with an IP camera finder tool that allows you to find, configure, and connect to a compatible IP camera to add to the configuration.

This DVR supports H.265 Pro+, H.265 Pro, H.265+, H.265, H.264+ and H.264 video codecs that help reduce file size, maximize recording time, and save hard drive space.

With support for up to 8MP TVI video signals, you can record video in 8MP resolution at 8fps (only available on channel 1). If higher frame rates are needed for your application, 1080p TVI cameras achieve up to 30fps per channel, which you can store on 2 SATA hard drive with a maximum capacity of 20TB.

As well as delivering HD resolution video, HD-TVI technology can send zero latency HD video over RG59 coax or any standard analog CCTV cabling—with transmission distances of up to 2,630 ft (800m) on 1080p and up to 3,940 ft (1,200 m) on 720p HD-TVI.

The DVR features a powerful, intuitive user interface with a host of smart features, including:

- + **Intelligent recording** - Define continuous, motion detection, or scheduled recording per camera
- + **Smart tags** - Create tags (e.g. “shoplifting”) to mark certain events for efficient searching
- + **Smart search** - Define and search for motion within a specified area
- + **Real-time alarms** - For motion detection, video tampering detection and video loss
- + **Advanced video analytics** - Including Line Crossing, Intrusion Detection, Scene Change Detection and more

This hybrid+ security DVR features full channel flexibility, enabling you to swap any TVI input for an IP channel. Its enhanced IP mode doubles the number of default IP channels available.

What's Included:

- + (1) Alibi 4100 series 4-channel hybrid+ recorder
- + (1) Power supply
- + (1) HDD data and power cables
- + (1) Quickstart guide
- + (1) Rack mounting hardware
- + (1) USB mouse



SPECIFICATIONS

Recording	
Video Compression	H.265 Pro+, H.265 Pro, H.265, H.264+, H.264
Encoding Resolution	8 MP/5 MP/4 MP/3 MP/1080p/720p/WD1/4CIF/VGA/CIF
Frame Rate	Main stream: 8 MP@8fps/5 MP@12fps/4 MP@15fps/3 MP@18fps 1080p/720p/WD1/4CIF/VGA/CIF@30fps (N)/25fps (P) 8 MP stream access: 4 MP (2560 x 1440)@15fps; 1080p/720p/WD1/4CIF/VGA/CIF@15fps Sub-stream: WD1/4CIF/CIF@30fps (N)/25fps (P)
Video Bit Rate	32 Kbps to 10 Mbps
Audio Compression	G.711u
Audio Bit Rate	64 Kbps
Video & Audio	
Analog Video Input	4-ch BNC interface (1.0 Vp-p, 75Ω)
HDTVI Input Resolution	8 MP 5 MP, 4 MP, 3 MP, 1080p30, 1080p25, 720p60, 720p50, 720p30, 720p25 Note: 8 MP@8fps only available on channel 1
AHD Input Resolution	5 MP, 4 MP, 1080p30, 1080p25, 720p30, 720p25
HDCVI Input Resolution	4 MP, 1080p30, 1080p25, 720p30, 720p25
CVBS Input	NTSC/PAL
5MP Long Distance Transmission	Supported
IP Video Input	Default: 2-ch, up to 8MP. Trade four analog ch for total of 6 IP ch. Enhanced IP Mode: 4-ch, up to 8MP. Trade four analog ch for total of 8 IP ch. (disables Smart VCA Events)
IP Video Compression	Supports H.265+/H.265/H.264+/H.264 IP cameras
Audio Input	4-ch, RCA (2.0 Vp-p, 1 KΩ)
Audio Output	HDMI, 1-ch RCA (Linear, 1kΩ)
Video Output	HDMI/VGA (simultaneous), CVBS (Auxiliary)
HDMI/VGA Video Output	1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz
CVBS Video Output	NTSC: 704 × 480, PAL: 704 × 576
Synchronous Playback	4-ch
Export Formats	.MP4, .AVI

Video Content Analytics (VCA)	
Line Crossing / Intrusion Detection	Default: 2-ch line crossing and intrusion detection; Enhanced VCA Mode: Supports all-ch line crossing and intrusion detection; (disables 2k/4k display resolution and restricts TVI input to 1080p)"
Sudden Scene Change Detection	2-ch (if no other VCA is enabled)
Audio Exception	Yes, ch.'s 1-4
Heat Mapping	N/A
Object Counting	N/A
Network	
Network Bandwidth	Total = 96Mbps. Enhanced IP Mode enabled; incoming bandwidth total = number of IP channels x 4Mbps (32Mbps max)
Remote Connections	32
Ethernet	1x 10M/100M RJ-45 self-adaptive Ethernet interface
Platform Access (P2P)	Supported (Alibi Connect)
Cloud Storage	Dropbox/Google Drive/Microsoft OneDrive
Protocols	TCP/IP, PPPoE, DHCP, P2P, DNS, DDNS, NTP, Alibi Device Discovery, NFS, iSCSI, UPnP™, HTTPS, ONVIF (Profiles S & T)
Auxiliary Interface	
USB	1x USB 2.0 (front panel), 1x USB 2.0 (rear panel)
Hard Drive Interface	2x SATA
Hard Drive Capacity	Up to 10TB capacity per HDD
Serial Interface	1x RS-485 (half-duplex)
Alarm in/out	4/1
General	
Operating System	Embedded Linux
Power Requirements	12Vdc
Power Consumption	≤ 10W (without HDD)
Weight	2.6 lbs. (without HDD)
Dimensions (in.)	15.0 W" × 12.6" D × 1.9" H
Operating Temperature	14°F - 131°F
Operating Humidity	10% - 90% (non-condensing)
Color / Chassis	Black / 1U
Material	Aluminum, Plastic
Approvals	CE, FCC, RoHS, UL