



HD

## 5X SERIES 16-CHANNEL 8MP TVI HYBRID+ SECURITY DVR

Hybrid+ technology supports AHD, HD-TVI, CVI and IP cameras for enterprise-level applications

The Alibi 5100 Series Hybrid+ DVR supports analog, HD-TVI, analog HD, CVI and IP cameras for the ultimate in flexibility. The DVR comes with an IP camera finder tool that allows you to find, configure, and connect 16 additional IP cameras—up to 8MP—to add to the configuration or replace all TVI/analog channels for a total of 32 IP cameras.

This recorder comes with flexible PTZ camera controls with up the coax and RS485 support.

As well as delivering HD resolution video up to 4K HDMI monitor output, HD-TVI technology can send zero latency HD video over RG59 coax or any standard analog CCTV cabling. Cable distances vary, based upon camera resolution and cable type—some extending as far as 3937 feet.

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 specified area
- + **Real-time alarms** – For motion detection, video tampering detection and video loss
- + **POS cash register interface** – For video analytics that help you protect your bottom line

This Alibi QVR is packed with great features, but our retail customers are especially happy with the Point of Sale integration that helps them reduce shrinkage caused by employee theft. By combining POS transaction data with video, there is an additional audit trail to help investigate fraudulent transactions and theft incidents. Key features include:

- + Transactional data that appears as text overlay on high resolution video
- + Easy and efficient keyword search that locates corresponding video and transactional evidence
- + Universal TCP/IP POS driver compatible with most PC-based cash registers

### What's Included:

- + Alibi 5X series 16-channel Hybrid+ DVR
- + USB mouse
- + Power supply cable
- + 6' HDMI cable
- + 6' CAT5e patch cable
- + Set of hard drive mounting hardware and cables

### Key Features:

- + Supports up to 8MP HD-TVI
- + 4K HDMI monitor output
- + Supports up to 32 total cameras: 16x analog, HD-TVI and/or IP (any combination), and add up to 16x additional IP cameras
- + POS cash register support



## 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) 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	16-ch BNC interface (1.0 Vp-p, 75Ω)
HDTVI Input Resolution	8 MP15, 8 MP12.5, 5 MP20, 5 MP12, 4 MP30, 4 MP25, 3 MP18, 1080p30, 1080p25, 720p60, 720p50, 720p30, 720p25
AHD Input Resolution	5 MP20, 4 MP30, 4 MP25, 1080p30, 1080p25, 720p30, 720p25
HDCVI Input Resolution	4 MP30, 4 MP25, 1080p30, 1080p25, 720p30, 720p25
CVBS Input	NTSC/PAL
5MP Long Distance Transmission	Supported
IP Video Input	16-ch, up to 8MP. Trade sixteen analog ch for total of 32 IP ch. Enhanced IP Mode: N/A"
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	VGA, 2x HDMI, CVBS (Auxiliary)
HDMI 1/VGA Video Output	1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz HDMI 1/VGA simultaneous
HDMI 2 Video Output	4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz
CVBS Video Output	NTSC: 704 × 480, PAL: 704 × 576
Synchronous Playback	16-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 only
Heat Mapping	1-ch (configured in web GUI)
Object Counting	1-ch (configured in web GUI)

### NETWORK

Network Bandwidth	Total = 260Mbps
Remote Connections	128
Ethernet	1x 10M/100M/1000M RJ-45 self-adaptive Ethernet interface
Platform Access (P2P)	Supported (Alibi Connect)
Cloud Storage	Dropbox/Google Drive/Microsoft OneDrive
Point of Sale	8-ch
Protocols	TCP/IP, PPPoE, DHCP, P2P, DNS, DDNS, NTP, Alibi Device Discovery, NFS, iSCSI, UPnP™, HTTPS, ONVIF

### AUXILIARY INTERFACE

USB	1x USB 2.0 (front panel), 1x USB 3.0 (rear panel)
Hard Drive Interface	4x SATA
Hard Drive Capacity	Up to 10TB capacity per HDD
Array Type	RAID0, RAID1, RAID5, RAID6, RAID10 (Hot-swappable)
Number of Arrays	4
eSATA	1x eSATA
Serial Interface	1x RS-485 (half-duplex)
Alarm in/out	16/4

### GENERAL

Operating System	Embedded Linux
Power Requirements	12Vdc
Power Consumption	≤ 110W (without HDD)
Weight	11.0 lbs. (without HDD)
Dimensions (in.)	17.3 W" × 16.0" D × 3.0" H
Operating Temperature	14°F - 131°F
Operating Humidity	10% - 90% (non-condensing)
Color / Chassis	Black / 1.5U
Material	Aluminum, Plastic