

# \*iRecord Covert (HDVR-20x)

High definition digital video recorder/player with built-in solid state storage, cell modem, GPS and WiFi



## Full High Definition IP Camera Support

Supports simultaneous recording, monitoring, and streaming of up to four 4MP IP HD cameras. Users can view all feeds in a 4-quadrant split, side-by-side, or full-screen. Video and map views can appear side-by-side.

## LTE (4G/5G) Cellular Modem

The unit features a built-in cellular modem that is compatible with all major North American carriers and includes GPS support.

## WiFi Connectivity

Supports built-in 2.4 GHz WiFi for quick and easy configuration, and offers enhanced security through password protection. The option to disable the WiFi makes it ideal for covert applications.

## Store-and-Forward

The store-and-forward feature enhances IP camera functionality by allowing to store A/V contents while simultaneously live-streaming it for remote viewing. This includes full PTZ (Pan-Tilt-Zoom) control.

## Audio/Video

The system stores IP camera streams in MJPG, H.264, and MP3 audio in the industry-standard AVI format. For evidence extraction, videos can be saved as .mp4 for easy sharing and compatibility.

## Storage

- 2TB built-in internal SSD.
- 2 external USB hard drives (up to 8TB each).
- Automatic media selection of the available storage device.
- In the event of a disk full error or media disconnection, automatically switches to the next available storage device.



## VPN (Virtual Private Network)

The system establishes a secure, encrypted network connection, ensuring protected communication whether using public or private networks.

## HTTPS

Ensures secure communication and encrypted data transfer between the HDVR and users, protecting sensitive information.

## ONVIF

Supports ONVIF-compliant IP cameras, enabling interoperability across different camera brands.

## FTP Upload

Supports scheduled FTP uploads for automatic backups of recorded files.

## Monitor & Control Via Mobile and Web Applications

Provides a customizable UI for computers, tablets, and smartphones via web browsers & mobile apps (Android & iOS), ensuring monitoring and control from anywhere.

## Dual WAN Support

Dual WAN ensures high availability for businesses, minimizing internet downtime and guaranteeing uninterrupted operations.

## Archiving

Evidence can be extracted from storage media and transferred to removable media for secure archiving and offline access.

## Multiple Quality Streaming

For high-bandwidth connections, MJPG video is streamed. For low-bandwidth connections, a highly compressed H.264 stream is used, ensuring optimal performance in varying network conditions.

## Event Analytics (Camera Agnostic)

Features a camera-independent suite of audio and video analytics, including motion detection, camera tampering, video loss, and audio monitoring.

## Dual Stream (H264 + MJPG) Recorder

Offers continuous, event-triggered, and scheduled recordings in MJPG only, H.264 only, or a combination of both streams.

## Email/SMS and Alarm (Event notification)

Automatically starts recording in response to analytic events, capturing pre-history footage, and sends email/SMS notifications to remotely connected PCs. The email includes an event snapshot and a system URL for quick access to the recorded footage.

## Playback and Video Management

Offers advanced playback and extraction features, including patented trick-modes and event-filtered playback for quick access to recordings. Users can extract clips from single/multiple recordings in various resolutions for long-term archiving.

## Offline Mode Playback (HDVR Player)

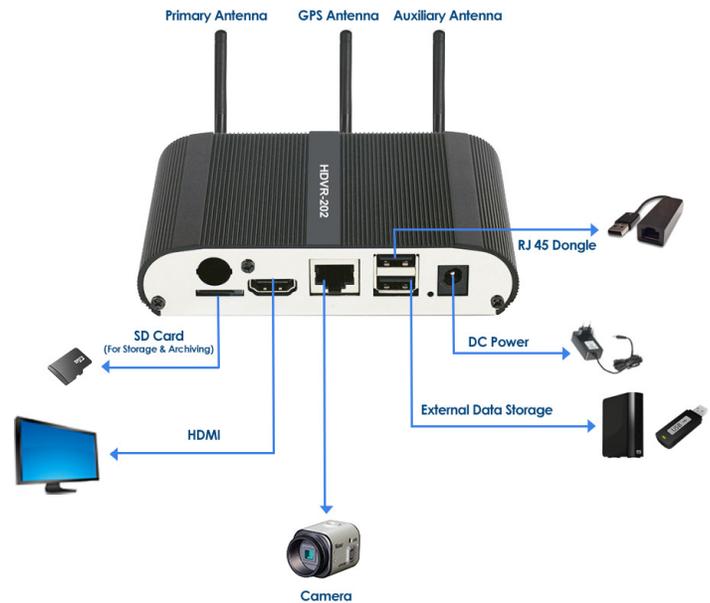
Offers offline playback of recordings on a computer through the HDVR player application, available on the USB device.

## Live GPS Tracking & Recording

Embeds GPS data in video and offers live tracking on Google Maps.

## HDVR Models:

- 1) HDVR-200: Basic
- 2) HDVR-201: Cellular Modem only
- 3) HDVR-202: SSD only
- 4) HDVR-203: Cellular Modem, SSD
- 5) HDVR-204: USB Dongle basic support
- 6) HDVR-205: Cellular Modem, USB Dongle
- 7) HDVR-206: USB Dongle, SSD
- 8) HDVR-207: Cellular Modem, USB Dongle, SSD



### HDVR-20x SPECIFICATIONS

SOFTWARE	Video encoding	MJPEG, H.264
	Transcoding	Real time conversion of MJPG to H.264 for streaming; audio transcoded to MP3
	Resolution	High Definition (HD): 1920x1080; 1280x960; 1280x720 Standard Definition (SD): 720x480; 640x480; 480x320; 320x240
	Frame rate	Upto 30 fps
	Audio encoding	MP3 Stereo (32/64kbps at 8KHz, 96/128/256/320kbps at 32KHz); MP3 mono (16kbps, 8KHz)
	Multiplexing	AVI container for video and audio data, MP4 conversion supported
	Recording	Continuous, Event, Scheduled, Manual
	Circular / Linear mode	Non-stop recording (overwriting the oldest data first), recording stops when storage media is full
	Event recording mode	Event-based recording start/stop (motion detection, video signal loss, audio level detection & camera tampering)
	Event recording history	Pre-event buffer (0–3 seconds), Post-event buffer (1–10 seconds)
	Event email notification	Event email notification with a JPEG image attachment and url address of the iRecord Covert
	Streaming	Location-free monitoring (live view); Simultaneous streaming and storing; File playback
	Tape mode	Seamless transition between recorded files Playback—Play till end of recording Rewind—Traverse backwards to the beginning of the recording Forward—Traverse forward to the end of the recording
	Computer	Playback on PC using off-the-shelf media players like VLC and via flash-enabled web browsers
	Smart search & play	Timestamp-based and event-based search and video playback
	Protocols supported	HTTP, TCP, UDP, DHCP, SMTP, RTP, RTSP, RTMP & FTP
	Web server	File management (delete/download/update list)
HARDWARE	Video output	HDMI
	Audio input	Stereo line-in or Mono line-in (3.5mm jack)
	Network connectivity	One 10/100/1000 Base Ethernet port (RJ45); Supports built in WiFi and cellular modem for communication
	USB connectivity	Two USB 2.0 host port (Type A connector) for external USB storage devices
	Battery Monitoring	Continuously monitors input voltage. Shuts down application for data consistency upon preset voltage value.
	Dimensions	4.92" x 3.14" x 1.14" and 0.6 lbs
	Power input	8 to 30 V DC range (2mm Barrel connector)
Max. power consumption	6 watt(s)	

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