

# HD Network Video Recorder



Wireless HD NVR - HD Series NVR



**Full HD 1080** **NVIDIA PUREVIDEO HD** **NVIDIA GEFORCE CUDA** **HDMI™** **WiFi™** **HD NVR**  
Low energy high definition network video recorder complete control

## High Definition Wireless NVR with Hardware Video Acceleration

The **HD NVR** from BiKal sets new benchmarks in network video recorder price & performance. Introducing the worlds first NVR with H.264 Video & Analytics hardware acceleration with 1080p HD output.

### Overview

The BiKal HD NVR Series is the first NVR to deliver full **1080p** High Definition video in an affordable package. Incorporating Nvidia's PhysX, PureVideo & Cuda technology, the HD NVR delivers crisp video from CCTV and streaming video sources via a HDMI output or dual monitor HDMI & DVI connections.

The HD NVR is bundled with EyeSoft surveillance software offering one of the best surveillance applications as well as media entertainment software to get the most out of your system.

The integrated graphics engine accelerates H.264 decoding from IP CCTV and Online video streams as well as offloading video analytics processing overhead from the CPU to the GPU\* allowing the HD NVR to deliver high performance with a low energy footprint.

### Innovation

- 1 to 16 channel operation<sup>1</sup>**
- H.264 Hardware Acceleration**
- Full 1080p HD Video**
- Dual HDMI, DVI/VGA Output**
- Support 400+ IP Cameras**
- Keyboardless Operation**
- Easy Point & Click Remote**
- Wireless WiFi Operation**
- Low Energy Footprint < 24w<sup>2</sup>**
- EyeSoft Surveillance Software**
- Blu Ray (VC-1) Recording Codec**



Keyboard-less operation with air mouse or use your i-phone in air



**NVIDIA.**

Nvidia hardware acceleration and CPU offload engine with eyesoft

### Options

- Blu Ray Recorder
- Windows XP / Windows 7
- 1 to 2 Terabytes Storage
- Wireless Keyboard / Mouse
- Media Management Software
- Video Analytics Engine
- Smoke Detection Engine



Bundled with EyeSoft CCTV software

# Specifications

1.4/U/0209/BK



Model	HDNVR-04	HDNVR-08	HDNVR-16
Processor	Intel Atom	Intel Core 2 Duo	Core 2 Quad
RAM	2GB DDR2 800	3GB DDR2 800	4GB DDR2 800
Storage	1TB SATA	1.5TB SATA	2TB SATA
Storage Expansion	Up to 6TB via USB, E-Sata or NAS storage combinations (external drives)		
Display Interface	VGA/RGB, DVI, 1080p / 720p HDMI (dual monitor via DVI/HDMI), Max 1080p Resolution		
Graphics Engine	Nvidia ION with PureVideo HD, PhysX, Cuda Technology, 256MB + 1GB		
Wired Interface	100/1000 TX, RJ45 Gigabit LAN interface		
Wireless Interface	Draft 802.11n – 300Mbps (4ch) / IEEE 802.11g 6 - 54 Mbps / IEEE 802.11b 1 - 11 Mbps		
Audio Interface	5.1 HD Surround Sound Via HDMI / Optical / Coaxial + analogue front audio & mic jack		
Optical Interface	CD / DVD RW, DL or Optional Blu Ray Recorder		
Backup Interface	e-SATA via rear panel, 6 x USB, Ethernet, DVD/RW		
Expansion Interface	4 x rear USB, 2 x front USB (1 in use for keyboard/mouse) + Keyboard input		
Operating System	Windows 7 (Windows XP Pro SP3 optional)		
Surveillance System	BiKal EyeSoft – Basic Edition / VC-1 Codec		
Compatibility	400+ IP camera models + most USB webcams		
Operation Interface	Wireless Mouse/Keyboard (optional Air Mouse)		
Max Recording Resolution (per channel, avg quality)	4 channel NVR  4 x 4CIF @ 30fps 4 x 720p @ 12fps 1 x 1080p @ 25fps 8 x CIF @ 15fps 30 to 115 days recording	8 channel NVR  8 x 4CIF @ 30fps 8 x 720p @ 12fps 2 x 1080p @ 25fps 16 x CIF @ 15fps 30 to 90 days recording	16 channel NVR  16 x 4CIF @ 30fps 16 x 720p @ 12fps 4 x 1080p @ 12fps 24 x CIF @ 15fps 30 to 60 days record
Remote PC Requirements	Pentium CPU 2.0GHz+ or equivalent, 512 MB RAM, 64MB video Ram, XP/Vista/7		
Alarm and Event	Video Motion Detection, Video Pop-Up, E-Mail Alert, Custom Notification Presentation		
Operating Conditions	Indoor only. Temp 0-50 °C, Humidity 20 - 80% RH (non-cond),		
Power Source	90W /120w PSU 4A	120W PSU 4A	150W PSU 4A

\* Analytics offload only compatible with EyeSoft Software. Analytics modules require additional purchase.<sup>1</sup> Dependent on user video settings, see Max recording resolution. <sup>2</sup> Low Energy consumption on HDNVR 04 & 08 models only.