

Digital Video Recorders



16 Channel H.264 Real Time Digital Video Recorder DG86II



The DG86II is a multi-functional H.264 DVR developed to meet the general demands of a surveillance system with the latest H.264 compression engine to provide higher video quality at lower storage requirements. Embedded with the Linux operating system, DG86II is designed to offer users with a host of features as a flexible and efficient CCTV solution.

PRODUCT FEATURES

- H.264 Compression
- Support Full HD 1080P Output
- Up to 16CH D1 Real-Time Recording
- Flexible User Management
- POS Function with Transaction Monitoring
- Data Export with e-SATA Port
- Per Channel Configuration
- NTP Support for Time Synchronization
- Up to 2 internal SATA HDDs
- Dual Streams
- Supports CMS
- iPhone, iPad and Android Smart Phone APPs Supported
- Built-in DVDRW (Optional)

PRODUCT SPECIFICATIONS

| | |
|------------------------------|--|
| Video | |
| Input | 16CH (BNC), 1.0Vp-p, 75ohm |
| Display Resolution | 1024 x 768 pixels |
| Operating System | Embedded (Linux) |
| Digital Display Output / VGA | 1024 x 768p, 1280 x 1024p, 1920 x 1080p |
| Video Output | Main Monitor – BNC x 1, 1.0Vp-p, 75ohm Call Monitor – BNC x 1, 1.0Vp-p, 75 ohm |
| Video Looping | 16CH (BNC), 1.0Vp-p, 75 ohm |
| Audio | |
| Input | Terminal Block x 16, Line-In |
| Output | x1 Line-Out, RCA |
| Compression Method | Proprietary |
| Data Rate | 8KB/s per Ch |
| Recording | |
| Compression | H.264 |
| Recording Mode | Schedule, Alarm, Motion Detection |
| Pre-Alarm | Yes |
| Max Recording Rate (NTSC) | 720 x 480p (Max 480 pps) (4CIF) 720 x 240p (Max 480 pps) (2CIF) 360 x 240p (Max 480 pps) (CIF) |
| Max Recording Rate (PAL) | 720 x 576p (Max 400 pps) (4CIF) |

Specification is subject to change without prior notification

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Recording Quality
Image Size
Storage Mode
Data Lifetime

720 x 288p (Max 400 pps) (2CIF)
360 x 288p (Max 400 pps) (CIF)
8 Levels Presets, Adjustable
8 kb to 20 kb per picture
Linear / Circular
Yes (Programmable)

Storage

Built-in HDD
Cartridge / DVDRW
RAID Support

STD: 2 x SATA + 1 x SATA for DVDRW
STD: Optional
PLUS: 0, 1, 5, 10

Export

USB

1 x e-SATA, 2 x USB 2.0 Ports

Alarm

Alarm Input
Alarm Relay Output
Alarm Detection
Motion Detection
Video Loss Detection

x16, D-Sub 15 pin (TTL)
x3, D-Sub 15 pin (1.0A / 30VDC or 1.0A / 120VAC)
N.C. / N.O. Programmable
16 x 12 Grid Array, Sensitivity, Trigger level adjustable
Programmable

Communcation

Network Connectivity
Remote Control Software
Remote Operation
RS-485
RS-232C
IR Remote
Dome Camera Control Protocol

RJ-45, 10/100/1000 Mbps Ethernet, Support PPPoE, DDNS, DHCP
CMS, DynaRemote
Monitoring, Playback, Recording, System Setup, Dome Camera Control, Archiving
Terminal Block
D-SUB for POS Applications
Yes
DSCP, Pelco P, Pelco D, AD422, Fastrax 2, Panasonic, JVC

General

Unit Dimension
Unit Weight
Package Dimension
Package Weight
Operation Temperature
Relative Humidity
Power Consumption & Input

440 x 54.5 x 340mm (W x H x D)
TBA
TBA
TBA
0°C ~ 40°C (30° F ~ 104° F)
10% ~ 90% Non-condensing
STD: AC 100 ~ 240V, 50-60Hz, 60W adaptor

NETWORK FEATURES



NetGuard / DruidGuard Smartphone Surveillance Apps that supports Dual Streams, Live, Playback, PTZ, Audio, Snapshot and Digital Zoom

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A highly efficient Central Monitoring Software that manages up to 1024 Channels while simultaneously up to 64 live viewing channels.

Supports DVR / NVR / IP Camera with up to 5M/3M high resolution video. The Software also features Alert Notification, Event Playback and relay output control.