



Product Catalog

- 2010 Digital Surveillance Solution -



■ H.264 Hybrid DVR

■ Megapixel IP Camera

■ High Speed Dome Camera

■ Application

■ System Diagram

Delivering today while building for the future



About DynaColor

DynaColor specializes in video surveillance products and CRT/LCD AOI systems. Headquartered in Taipei since 1991, DynaColor has achieved continuous growth and market recognition.

Digital Surveillance Solution

DynaColor designs and manufactures digital surveillance products, including speed dome cameras, megapixel IP cameras, digital video recorders (DVRs), multiplexers, video servers, and keyboard controllers. These products are used in various places, including retail stores, government facilities, schools, city halls, airports, military sites, prisons, parks, streets, banks, shopping malls, stadiums, and a wide range of other medium and high security applications.

DynaColor delivers digital surveillance solutions for small and large applications, from the very simple surveillance task with only a few cameras for small stores and buildings, to large installations with complex networks and needs.

A Reputation of Quality

DynaColor has established an excellent reputation not only in digital surveillance products, but also in the LCD AOI system and industrial cameras. Quality is controlled during every phase of development, as DynaColor is ISO-9001 certified by DNV.

Technological advances and customer orientation are the keys to DynaColor's success in a rapidly changing market.

Through focused management and revenue-based incentive programs, DynaColor has quickly identified, executed, and excelled every planned product. By working closely with our partners, many well-known companies worldwide, DynaColor constantly improves our technology, operation, quality control, and manufacturing.

It is our goal to become the leading provider of innovative products and a reliable business partner in each of our targeted sectors.

DynaColor has established overseas branches in Irvine, California and in Tokyo, Japan to facilitate sales activities and services for our customers abroad. To learn more about DynaColor, please visit our web sites:

<http://www.dynacolor.com.tw>

<http://www.dynacolorusa.com>

<http://www.dynacolor.co.jp>

Corporate Strategy

• Technology-Driven:

Enrich professional man-power, acquire and develop core technology.

• Strategic Alliance

Expand worldwide cooperative partnerships through technical alliance, marketing alliance and application alliance, 3 perspectives to provide professional total solutions and services.

• Niche Products

Provide full featured and value-added products, be customer orientated, and meet various market needs.

Greetings from CEO

For more than 19 years, DynaColor dedicates itself to be an "image solution provider." Starting with award-winning CRT alignment system, DynaColor became the industry leader in high quality, cost effective multiplexer and industrial camera over the years. In the rapidly changing digital surveillance market, DynaColor develops a wide range of competitive products, which offer our clients a comprehensive product portfolio and the flexibility for customization.

We believe having a strong R&D team is the foundation to providing our customers innovative solutions. With highly experienced engineers (over 50% of total employees) in DynaColor, we can assure our clients the competitiveness and reliability of our products. Through OEM projects, commissioned by top brands around the world, we possess the critical know-how and credentials to serve our clients in accordance to their specific needs. We adopt the ISO 9001 standard to regulate our administrative process and to ensure strict quality control process. It is our commitment to quality, innovation and customer support that provides our clients the advantage to excel in the ever evolving and highly competitive market.

In the new millennium, amid optimistic prospect yet challenged by fierce competition in the industry, DynaColor will focus on providing our customers the total video surveillance solution, synchronizing video camera products, digital video recorders and system control units. With our advanced video processing technology, solid system integration credential and competence in customized products, we believe DynaColor is the solution for your video surveillance requirement.

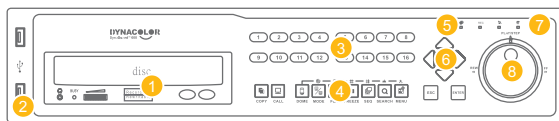


H.264 Hybrid DVR

network DynaGuard™ 600 II Series

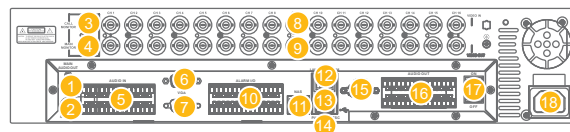


Front Panel



- ① DVD/RW or Cartridge*
- ② USB 2.0 Ports
- ③ Channel Keys
- ④ Function Keys
- ⑤ LEDs
- ⑥ Direction Keys
- ⑦ IR
- ⑧ Jog / Shuttle

Rear Panel



- ① Main Audio Output
- ② S-Video Output
- ③ Call Monitor Output (BNC)
- ④ Main Monitor Output (BNC)
- ⑤ Audio Input
- ⑥ VGA Output
- ⑦ Digital Display Output
- ⑧ Video Input
- ⑨ Video Looping
- ⑩ Alarm I/O and RS-485
- ⑪ NAS Port (RJ-45)
- ⑫ LAN 10/100/1000 Mbps (RJ-45)
- ⑬ USB 2.0 Ports
- ⑭ NTSC / PAL Switch
- ⑮ RS-232
- ⑯ Matrix Output*
- ⑰ Power Switch
- ⑱ Power Jack

Features

Advanced Functions

- H.264 / MPEG-4 / MJPEG compression
- NEW** • Up to 4/8/16CH D1 real-time recording / playback
- NEW** • Support Full HD 1080p output
- NEW** • Up to 8CH IP camera recording
- NEW** • Megapixel video recording
- Pentaplex operation
- NEW** • Dual streaming
- NEW** • Privacy masks
- Flexible user management
- Per channel configuration
- NTP support for time synchronization
- Integrated WLAN, SMS
- Built-in Pelco Coaxitron® protocol
- POS function: transaction monitoring
- Digital display output
- Dual-gigabit LAN ports
- 4/8/16CH audio recording
- Mobile View software (iPhone support)
- DynaRemote™ for remote monitoring
- DynaGuard™ CMS for video management

Note: Items marked with an asterisk (*) are optional

Humane Technology

- GUI
- NEW** • USB mouse / USB keyboard*
- Control keyboard*
- IR remote control
- Jog / Shuttle
- NEW** • UPnP™
- Exports AVI files for Microsoft® Media Player
- NEW** • Intelligence Playback Search

Modular Upgrade Kits

- T / V / U Module (DG600 II S only) for real-time recording
- NEW** • Matrix Module for additional 4 call monitors and alarm relay outputs
- NEW** • Mirroring Module for RAID 1/ RAID 10 function
- Alarm Hub for 16CH alarm relay output

Specification

| Item | DG604 II S / T | DG608 II S / T / V | DG616 II S / T / U |
|-------------------------------|---|---|---|
| Video | | | |
| Operation System | Embedded (Linux) | | |
| Video Standard | NTSC / PAL Switch Selectable | | |
| Input | BNC × 4, 1.0 Vp-p, 75 ohm | BNC × 8, 1.0 Vp-p, 75 ohm | BNC × 16, 1.0 Vp-p, 75 ohm |
| Input IP Devices | Up to 4CH | Up to 8CH | Up to 8CH |
| Outputs | Main Monitor | BNC × 1, S-Video × 1, 1.0 Vp-p, 75 ohm | |
| | Call Monitor | BNC × 1, 1.0 Vp-p, 75 ohm | |
| | Loop | BNC × 4, 1.0 Vp-p, 75 ohm | BNC × 8, 1.0 Vp-p, 75 ohm |
| Digital Display Output | 800 × 600, 1024 × 768, 1280 × 1024, 1920 × 1080p pixels | | |
| VGA Output | 800 × 600, 1024 × 768, 1280 × 1024, 1920 × 1080p pixels | | |
| Picture Refresh Rate | NTSC: 30 pps/per CH, PAL: 25 pps/per CH | | |
| Audio | | | |
| Input | Terminal Block × 4, Line-In | Terminal Block × 8, Line-In | Terminal Block × 16, Line-In |
| Output | RCA × 1, Line-Out | | |
| Compression Method | ADPCM, G.726 | | |
| Data Rate | 8 KB/s, per CH | | |
| Recording / Playback | | | |
| Compression Method | H.264 (DG600 II S / T / V / U); MPEG-4 / MJPEG (DG600 II S / T) | | |
| Recording Mode | Schedule, Alarm, Motion Detection | | |
| Pre-alarm | Yes | | |
| H.264 | NTSC 720 × 480 | S / T : Max 60 / 120 pps | S / T / V: Max 60 / 120 / 240 pps |
| | PAL 720 × 576 | S / T : Max 50 / 100 pps | S / T / U: Max 50 / 100 / 200 pps |
| MPEG-4 / MJPEG | NTSC 720 × 480 | S / T : Max 120 / 120 pps | S / T : Max 120 / 240 pps |
| | PAL 720 × 576 | S / T : Max 100 / 100 pps | S / T : Max 100 / 200 pps |
| Recording Quality | 8 Levels Presets, Adjustable | | |
| Storage Mode | Linear / Circular | | |
| Data Lifetime | Yes, Programmable | | |
| Storage | | | |
| Built-in Storage Interface | × 4 SATA for HDD and DVD+RW | | |
| Cartridge / DVD+RW | Optional / Standard | | |
| Export | × 4 USB 2.0 Ports, Support ThumbDrive | | |
| Alarm | | | |
| Alarm Input | × 4, Terminal Block (TTL) | × 8, Terminal Block (TTL) | × 16, Terminal Block (TTL) |
| Alarm Relay Output | × 2, Terminal Block, 3.0A / 30 VDC or 3.0A / 125 VAC | × 2, Terminal Block, 3.0A / 30 VDC or 3.0A / 125 VAC | × 3, Terminal Block, 3.0A / 30 VDC or 3.0A / 125 VAC |
| Alarm Detection | N.C. / N.O., Programmable | | |
| Motion Detection | 15 × 11 Grid Array, Sensitivity, Trigger level adjustable | | |
| Video Loss Detection | Programmable | | |
| Communication | | | |
| Network Connectivity | RJ-45, 10/100/1000 Mbps Ethernet | | |
| Compatible IP Cameras | DynaColor, Axis, Sony, ACTI, Vivotek, Sanyo | | |
| Remote Control Software | DynaGuard™ CMS, DynaRemote™① | | |
| Remote Operation | Monitoring, Playback, Recording, System setup, Dome camera control, Archiving | | |
| RS-232C | D-SUB 9 pin male | | |
| RS-485 | Terminal Block | | |
| Dome Camera Control Protocol | DSCP, Pelco P, Pelco D, AD422, Fastrax 2, Panasonic, JVC | | |
| General | | | |
| Unit Dimension (W × H × D) | 440 × 90 × 413 mm (17.3 × 3.54 × 16.3 inches) | | |
| Unit Weight | 7 Kg (15.42 lbs) with DVD+RW | | |
| Package Dimension (W × H × D) | 563 × 197 × 521 mm (22.17 × 7.76 × 20.51 inches) | | |
| Package Weight | 10 Kg (22.03 lbs) | | |
| Operation Temperature | 0 °C ~ 40 °C (32 °F ~ 104 °F) | | |
| Relative Humidity | 10% ~ 90%, Non-condensing | | |
| Power Consumption & Input | AC 100 ~ 240V, 50-60 Hz, 200W | | |

Product specification and availability subject to change without notice. Certain product names mentioned herein may be trade names and / or registered trademarks of their companies.

Remark ①: DynaRemote™ Software Requirements:

Windows 2000, XP or Vista, Intel® Pentium® M 1.40GHZ or faster, 512 MB RAM (1 GB RAM or above is recommended), Microsoft® Internet Explorer 6.0 SP2, LAN or Internet connection.

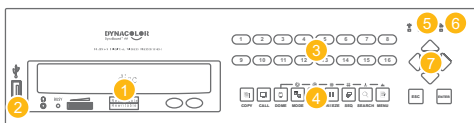
H.264 Hybrid DVR

network DynaGuard™ 80 II Series



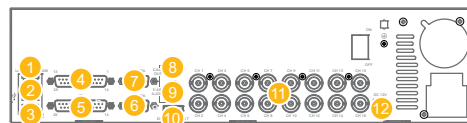
Versatile H.264 Hybrid DVR

Front Panel



- ① DVD/RW or Cartridge*
- ② USB 2.0 Port
- ③ Channel Keys
- ④ Function Keys
- ⑤ LEDs
- ⑥ IR
- ⑦ Direction Keys

Rear Panel



- ① LAN 10/100/1000 Mbps (RJ-45)
- ② USB 2.0 Ports
- ③ NTSC / PAL Switch
- ④ Audio Input (D-SUB)
- ⑤ Alarm I/O & RS-485 (D-SUB)
- ⑥ Main Monitor Output (VGA1)
- ⑦ Main Monitor Output (VGA2)
- ⑧ Call Video Output
- ⑨ Main Audio Output
- ⑩ Digital Display Output
- ⑪ Video Input
- ⑫ Power Jack

Features

Advanced Functions

- H.264 compression
- NEW** • Support Full HD 1080p output
- NEW** • Up to 4CH IP camera recording
- Quadplex operation
- NEW** • User management
- Per channel configuration
- NTP support for time synchronization
- Motion detection marker
- Up to 4 internal SATA HDDs
- Support internal DVD+RW
- NEW** • 4/8/16CH audio recording
- Mobile View software (iPhone support)
- DynaRemote™ for remote monitoring
- DynaGuard™ CMS for video management
- NEW** • Dual streaming
- Support VBR/CBR recording modes

Humane Technology

- GUI
- NEW** • Touch panel
- USB mouse*
- Control keyboard*
- IR remote control

Note: Items marked with an asterisk (*) are optional

Specification

| Item | DG84 II | DG88 II | DG86 II | |
|-------------------------------|---|---|---|-------------|
| Video | | | | |
| Operation System | Embedded (Linux) | | | |
| Display Resolution | Up to 1024 × 768 pixels | | Up to 1920 × 1080 pixels | |
| Input | BNC × 4, 1.0 Vp-p, 75 ohm | BNC × 8, 1.0 Vp-p, 75 ohm | BNC × 16, 1.0 Vp-p, 75 ohm | |
| Input IP Devices | Up to 4CH | | | |
| Main Outputs | Digital Display Output | 1024 x 768, 1280 x 960, 1280 x 1024, 1920 x 1080 pixels | 1280 x 1024, 1440 x 960, 1920 x 1080p pixels | |
| | VGA | 1024 x 768, 1280 x 960, 1280 x 1024, 1920 x 1080 pixels | 1280 x 1024, 1440 x 960, 1920 x 1080p pixels | |
| Call Monitor | BNC × 1, 1.0 Vp-p, 75 ohm | | | |
| Picture Refresh Rate | NTSC: 30 pps/per CH, PAL: 25 pps/per CH | | | |
| Audio | | | | |
| Input | D-SUB × 4, Line-In | D-SUB × 8, Line-In | D-SUB × 16, Line-In | |
| Output | Main Audio | RCA × 1, Line-Out | | |
| | Call Audio | RCA × 1, Line-Out | | |
| Compression Method | Proprietary | | | |
| Data Rate | 8 KB/s, per CH | | | |
| Recording | | | | |
| Compression Method | H.264 | | | |
| Recording Mode | Schedule, Alarm, Motion Detection | | | |
| Pre-alarm | Yes | | | |
| Recording Resolution & Rate | NTSC | 720 × 480 | Max 120 pps | Max 480 pps |
| | | 720 × 240 | Max 120 pps | Max 480 pps |
| | | 360 × 240 | Max 120 pps | Max 480 pps |
| | PAL | 720 × 576 | Max 100 pps | Max 400 pps |
| | | 720 × 288 | Max 100 pps | Max 400 pps |
| | | 360 × 288 | Max 100 pps | Max 400 pps |
| Recording Quality | 8 Levels Presets, Adjustable | | | |
| Image Size | 8 KB to 20 KB/Picture | | | |
| Storage Mode | Linear / Circular | | | |
| Data Lifetime | Yes, Programmable | | | |
| Storage | | | | |
| Built-in Storage Interface | × 2 SATA for HDD and DVD+RW | | × 4 SATA for HDD and DVD+RW | |
| Cartridge / DVD+RW | Optional | | | |
| Export | × 2 USB 2.0 Ports, Support ThumbDrive and DVD+RW | | × 1 USB 2.0 Port, × 1 USB 1.1 Port, Support ThumbDrive and DVD+RW | |
| Alarm | | | | |
| Alarm Input | × 4, D-SUB (TTL) | × 8, D-SUB (TTL) | × 16, D-SUB (TTL) | |
| Alarm Relay Output | × 1 D-SUB, 1.0A / 30 VDC or 1.0A / 120 VAC | | | |
| Alarm Detection | N.C. / N.O., Programmable | | | |
| Motion Detection | 15 × 15 Grid Array, Sensitivity, Trigger level adjustable | | 16 × 12 Grid Array, Sensitivity, Trigger level adjustable | |
| Video Loss Detection | Programmable | | | |
| Communication | | | | |
| Network Connectivity | RJ-45, 10/100/1000 Mbps Ethernet, Support PPPoE / DDNS / DHCP | | | |
| Compatible IP Camera | N/A | N/A | DynaColor, Axis, Sony, ACTi, Vivotek, Sanyo | |
| Remote Control Software | DynaGuard™ CMS, DynaRemote™① | | | |
| Remote Operation | Monitoring, Playback, Recording, System setup, Dome camera control, Archiving | | | |
| RS-485 | D-SUB | | | |
| IR Remote | Yes | | | |
| Dome Camera Control Protocol | DSCP, Pelco P, Pelco D, AD422, Fastrax 2, Panasonic, JVC | | | |
| General | | | | |
| Unit Dimension (W × H × D) | 362 × 90 × 350 mm (14.2 × 3.5 × 13.7 inches) | | | |
| Unit Weight | 5.5 Kg (12.1 lbs) | | | |
| Package Dimension (W × H × D) | 410 × 210 × 500 mm (16.1 × 8.2 × 19.6 inches) | | | |
| Package Weight | 7 Kg (15.4 lbs) | | | |
| Operation Temperature | 0 °C ~ 40 °C (32 °F ~ 104 °F) | | | |
| Relative Humidity | 10% ~ 90%, Non-condensing | | | |
| Power Consumption & Input | AC 100 ~ 240V, 50-60 Hz, 60W adaptor | | | |

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Remark ①: DynaRemote™ Software Requirements:

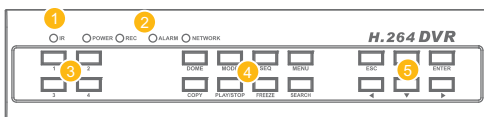
Windows 2000, XP or Vista, Intel® Pentium® M 1.40GHZ or faster, 512 MB RAM (1 GB RAM or above is recommended), Microsoft® Internet Explorer 6.0 SP2, LAN or Internet connection.

H.264 Hybrid DVR

network DynaGuard™ L80 II Series



Front Panel



- ① IR
- ② LEDs
- ③ Channel Keys
- ④ Function Keys
- ⑤ Direction Keys

Rear Panel



- ① LAN 10/100/1000 Mbps (RJ-45)
- ② USB 2.0 Ports
- ③ NTSC / PAL Switch
- ④ Alarm I/O & Audio Input & RS-485 (D-SUB)
- ⑤ Digital Display Output*
- ⑥ VGA Port
- ⑦ Main Monitor Output (BNC)
- ⑧ Main Audio Output
- ⑨ Call Monitor Output (BNC)
- ⑩ Call Audio Output
- ⑪ Video Input
- ⑫ Power Jack

Features

Advanced Functions

- H.264 compression
- NEW** • Support Full HD 1080p output
- Quadplex operation
- NEW** • User management
- Per channel configuration
- NTP support for time synchronization
- Motion detection marker
- Up to 2 internal SATA HDDs
- NEW** • 4/8/16CH audio recording
- Mobile View software (iPhone support)
- DynaRemote™ for remote monitoring
- DynaGuard™ CMS for video management
- NEW** • Dual streaming
- Support VBR/CBR recording modes

Humane Technology

- GUI
- USB mouse*
- Control keyboard*
- IR remote control

Note: Items marked with an asterisk (*) are optional

Specification

| Item | L84 II | L88 II | L86 II | L86T | |
|-------------------------------|---|---|--|--|-------------|
| Video | | | | | |
| Operation System | Embedded (Linux) | | | | |
| Display Resolution | Up to 1024 x 768 pixels | | | | |
| Input | BNC × 4, 1.0 Vp-p, 75 ohm | BNC × 8, 1.0 Vp-p, 75 ohm | BNC × 16, 1.0 Vp-p, 75 ohm | | |
| Main Outputs | Digital Display Output; <i>optional</i> | 1024 x 768, 1280 x 960, 1280 x 1024, 1920 x 1080 pixels | | 1280 x 1024, 1440 x 960, 1920 x 1080p pixels | |
| | VGA | 1024 x 768, 1280 x 960, 1280 x 1024, 1920 x 1080 pixels | | 1280 x 1024, 1440 x 960, 1920 x 1080p pixels | |
| Call Monitor | BNC × 1, 1.0 Vp-p, 75 ohm | | | | |
| Picture Refresh Rate | NTSC: 30 pps/per CH, PAL: 25 pps/per CH | | | | |
| Audio | | | | | |
| Input | D-SUB × 4, Line-In | D-SUB × 8, Line-In | D-SUB × 16, Line-In | | |
| Output | Main Audio | RCA × 1, Line-Out | | | |
| | Call Audio | RCA × 1, Line-Out | | | |
| Compression Method | Proprietary | | | | |
| Data Rate | 8 KB/s, per CH | | | | |
| Recording | | | | | |
| Compression Method | H.264 | | | | |
| Recording Mode | Schedule, Alarm, Motion Detection | | | | |
| Pre-alarm | Yes | | | | |
| Recording Resolution & Rate | NTSC | 720 × 480 | Max 60 pps | Max 60 pps | Max 120 pps |
| | | 720 × 240 | Max 60 pps | Max 120 pps | Max 240 pps |
| | | 360 × 240 | Max 120 pps | Max 240 pps | Max 480 pps |
| | PAL | 720 × 576 | Max 50 pps | Max 50 pps | Max 100 pps |
| | | 720 × 288 | Max 50 pps | Max 100 pps | Max 200 pps |
| | | 360 × 288 | Max 100 pps | Max 200 pps | Max 400 pps |
| Recording Quality | 8 Levels Presets, Adjustable | | | | |
| Image Size | 1 KB to 22 KB/Picture | | | | |
| Storage Mode | Linear / Circular | | | | |
| Data Lifetime | Yes, Programmable | | | | |
| Storage | | | | | |
| Built-in Storage Interface | × 2 SATA for HDD and DVD+RW | | × 4 SATA for HDD and DVD+RW | | |
| Cartridge / DVD+RW | Optional | | | | |
| Export | × 2 USB 2.0 Ports, Support ThumbDrive and DVD+RW | | × 1 USB 2.0 Port, × 1 USB 1.1 Port, Support ThumbDrive, and DVD+RW | | |
| Alarm | | | | | |
| Alarm Input | × 4, D-SUB (TTL) | × 8, D-SUB (TTL) | × 16, D-SUB (TTL) | | |
| Alarm Relay Output | × 1 D-SUB, 1.0A / 30 VDC or 1.0A / 120 VAC | | | | |
| Alarm Detection | N.C. / N.O., Programmable | | | | |
| Motion Detection | 15 × 15 Grid Array, Sensitivity, Trigger level adjustable | | 16 × 12 Grid Array, Sensitivity, Trigger level adjustable | | |
| Video Loss Detection | Programmable | | | | |
| Communication | | | | | |
| Network Connectivity | RJ-45, 10/100/1000 Mbps Ethernet, Supports PPPoE/ DDNS/ DHCP | | | | |
| Remote Control Software | DynaGuard™ CMS, DynaRemote™① | | | | |
| Remote Operation | Monitoring, Playback, Recording, System setup, Dome camera control, Archiving | | | | |
| RS-485 | D-SUB | | | | |
| IR Remote | Yes | | | | |
| Dome Camera Control Protocol | DSCP, Pelco P, Pelco D, AD422, Fastra× 2, Panasonic, JVC | | | | |
| General | | | | | |
| Unit Dimension (W × H × D) | 300 × 55 × 180 mm (11.8 × 2.2 × 7.1 inches) | | | | |
| Unit Weight | 1.5 Kg (3.4 lbs) | | | | |
| Package Dimension (W × H × D) | 393 × 139 × 358 mm (15.5 × 5.5 × 14.1 inches) | | | | |
| Package Weight | 2.5 Kg (5.6 lbs) | | | | |
| Operation Temperature | 0 °C ~ 40 °C (32 °F ~ 104 °F) | | | | |
| Relative Humidity | 10% ~ 90%, Non-condensing | | | | |
| Power Consumption & Input | AC 100 ~ 240V, 50-60 Hz, 60W adaptor | | | | |

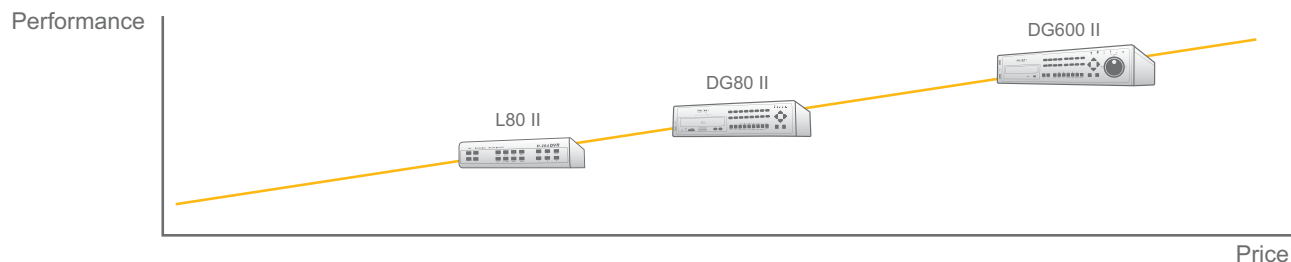
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Remark ①: DynaRemote™ Software Requirements:

Windows 2000, XP or Vista, Intel® Pentium® M 1.40GHZ or faster, 512 MB RAM (1 GB RAM or above is recommended), Microsoft® Internet Explorer 6.0 SP2, LAN or Internet connection.

H.264 Hybrid DVR

Value Chart



Comparison Chart

| Feature | Premium H.264 DVR DG600 II Series | | | Versatile H.264 DVR DG80 II Series | | | Lite H.264 DVR L80 II Series | | | |
|-----------------------------|-----------------------------------|------------------|---------------|------------------------------------|---------|---------|------------------------------|--------|--------|--------|
| | DG616 II S/ T/ U | DG608 II S/ T/ V | DG604 II S/ T | DG86 II | DG88 II | DG84 II | L86T | L86 II | L88 II | L84 II |
| Recording | | | | | | | | | | |
| Recording Rate (H.264 @ D1) | 60/ 120/ 480 | 60/ 120/ 240 | 60/ 120 | 480 | 240 | 120 | 120 | 120 | 60 | 60 |
| Recording Rate (M / J @ D1) | 120/ 240/ - | 120/ 240/ - | 120/ 120 | - | - | - | - | - | - | - |
| *Compression Method | H/ M/ J | H/ M/ J | H/ M/ J | H | H | H | H | H | H | H |
| IP Camera Compatibility | 8 | 8 | 4 | 4 | - | - | - | - | - | - |
| Per Channel Configuration | • | • | • | • | • | • | • | • | • | • |
| Storage | | | | | | | | | | |
| Max. HDDs | 4 | 4 | 4 | 4 | 2 | 2 | 4 | 2 | 2 | 2 |
| Network Attached Storage | ○ | ○ | ○ | - | - | - | - | - | - | - |
| Gigabit LAN Port | • | • | • | • | • | • | • | • | • | • |
| USB Ports | 4 | 4 | 4 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| DVD Burner | • | • | • | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| Remote Network | | | | | | | | | | |
| DynaRemote™ S/W | • | • | • | • | • | • | • | • | • | • |
| WLAN / SMS | • | • | • | - | - | - | - | - | - | - |
| Upgrade Kits | | | | | | | | | | |
| Mirroring Module | ○ | ○ | ○ | - | - | - | - | - | - | - |
| Matrix Module | ○ | ○ | ○ | - | - | - | - | - | - | - |
| T / V / U Module | ○/ - / - | ○/ - / - | ○/ - | - | - | - | - | - | - | - |
| Alarm Hub | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| Application | | | | | | | | | | |
| DynaGuard™ CMS | • | • | • | • | • | • | ○ | ○ | ○ | ○ |
| Mobile View S/W | • | • | • | • | • | • | • | • | • | • |
| Time Synchronization | • | • | • | • | • | • | • | • | • | • |
| UPnP™ | • | • | • | - | - | - | - | - | - | - |
| Dual streaming | • | • | • | • | • | • | • | • | • | • |
| Digital Display Output | • | • | • | • | • | • | • | ○ | ○ | ○ |
| Operation Interface | | | | | | | | | | |
| Jog / Shuttle | • | • | • | - | - | - | - | - | - | - |
| USB Mouse | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| USB Keyboard | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| IR Remote Control | • | • | • | • | • | • | • | • | • | • |
| Compact Control Keyboard | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| GUI | • | • | • | • | • | • | • | • | • | • |

* : H stands for H.264 compression, M stands for MPEG-4 compression, J stands for MJPEG compression, U and V models don't support MPEG-4 and MJPEG compressions
 • Support ○ Optional - Not support

The network DynaGuard™ series supports H.264 compression and Megapixel IP camera recording. It keeps all intelligent functions for managing and provides an integrated solution of recording videos from both existing analog cameras and oncoming IP cameras. With the hybrid video-in configurations, it saves the cost of replacement of camera devices in the period of IP transition.

The Central Management System, DynaGuard™ CMS, is a free bundled video management software that allows the administrator to monitor up to 64 live video channels from cameras or DVRs, to record and playback on the PC using instant or schedule recording modes, and to archive the DVR recorded video remotely.

Product Selection



DG6 II-

| Channels | HDD | Device Option | Video System |
|--------------------|--------------|---------------------|--------------|
| 04S: 4 CH S model | 000: None | 0: None | P: PAL |
| 04T: 4 CH T model | 016: 160 GB | M: Cartridge | N: NTSC |
| 08S: 8 CH S model | 032: 320 GB | D: DVD+RW | |
| 08T: 8 CH T model | 050: 500 GB | R: Mirroring Module | |
| 08V: 8 CH V model | 064: 640 GB | A: Audio Module | |
| 16S: 16 CH S model | 075: 750 GB | T: Matrix Module | |
| 16T: 16 CH T model | 100: 1000 GB | | |
| 16U: 16 CH U model | 150: 1500 GB | | |
| | 200: 2000 GB | | |



DG08 II-

| Channels | HDD | Device Option | Video System |
|----------|--------------|---------------|--------------|
| 4: 4 CH | 000: None | 0: None | P: PAL |
| 8: 8 CH | 016: 160 GB | M: Cartridge | N: NTSC |
| 6: 16 CH | 032: 320 GB | D: DVD+RW | |
| | 050: 500 GB | | |
| | 064: 640 GB | | |
| | 075: 750 GB | | |
| | 100: 1000 GB | | |
| | 150: 1500 GB | | |
| | 200: 2000 GB | | |



L08 II-

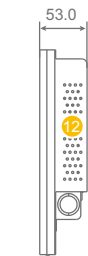
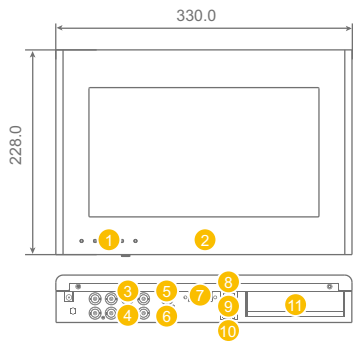
| Channels | HDD | Device Option | Video System |
|----------|--------------|---------------|--------------|
| 4: 4 CH | 000: None | 0: None | P: PAL |
| 8: 8 CH | 016: 160 GB | M: Cartridge | N: NTSC |
| 6: 16 CH | 032: 320 GB | D: DVD+RW | |
| | 050: 500 GB | | |
| | 064: 640 GB | | |
| | 075: 750 GB | | |
| | 100: 1000 GB | | |
| | 150: 1500 GB | | |
| | 200: 2000 GB | | |

H.264 Hybrid DVR

network DynaGuard™ H80 Series



Dimension



Unit: (mm)

- ① LEDs
- ② Microphone
- ③ Audio Input
- ④ Video Input
- ⑤ Main Audio Output
- ⑥ Main Monitor Output (BNC)
- ⑦ Alarm I/O & Audio Input & RS-485 (D-SUB)
- ⑧ PS2 mouse Port
- ⑨ USB 2.0 Port
- ⑩ LAN 10/100Mbps (RJ-45)
- ⑪ HDD Cartridge
- ⑫ Speaker (H84N only)

Features

- H.264 Compression
- NEW** • 11.6" Touch Panel with True-color GUI
- 4CH Video / Audio Inputs
- NEW** • Built-in Microphone & Speaker
- 3.5" SATA HDD with easy access cartridge
- Quick Video Export via USB Thumb Drive
- NEW** • 4CH IP Camera (NVR)

Specification

| Item | H84 | H84N |
|------------------------------|---|--|
| Video | | |
| Operation System | Embedded (Linux) | |
| Input | × 4, BNC | IP Camera x 4 (DynaColor, Axis, Sony, ACTi, Vivotek, Sanyo) |
| Live Display Refresh Rate | 120PPS | 30 PPS@D1, 120 PPS@CIF |
| Audio | | |
| Input | RCA× 4 | N/A |
| Local Input | Microphone (Built-in) | N/A |
| Local Output | Speaker × 2 (Built-in) | N/A |
| Output Connector | Phone Jack 3.5 mm | N/A |
| Compression Method | Proprietary | |
| Data Rate | 8KB/s, per CH | |
| Recording | | |
| Compression Method | H.264 | H.264 / MPEG4 / MJPEG (Camera dependent) |
| Recording Mode | Schedule, Alarm, Motion Detection | |
| Pre-alarm | Yes | |
| Recording Resolution & Rate | NTSC: 30 PPS@720 × 480 pixels 60 PPS@720 × 240 pixels 120 PPS@360 × 240 pixels PAL: 25 PPS@720 × 576 pixels 50 PPS@720 × 288 pixels 100 PPS@360 × 288 pixels | 120 PPS @ VGA/CIF |
| Recording Quality | 5 Levels Presets | Camera dependent |
| Storage Mode | Linear / Circular | |
| Data Life Time | Yes, Programmable | |
| Panel | | |
| Size | 11.6" Color Panel | |
| Backlight | LED | |
| Resolution | 1366 x 768 | |
| Colors | 256K | |
| Active Display Area | 261.12 (H) × 163.2 (V) | |
| Touch Control | Optional | |
| Storage | | |
| Built-in Storage Interface | × 1 SATA, 3.5" (with removable cartridge) | |
| Export | × 1 USB 2.0 Port, Supports ThumbDrive, External CD-RW, or DVD+RW | |
| Alarm | | |
| Alarm Input | × 4, D-SUB | |
| Alarm Relay Output | × 1, D-SUB | |
| Alarm Detection | N.C./N.O., Programmable | |
| Motion Detection | 16 x 12 Grid Array, Sensitivity, Trigger Level Adjustable | Camera dependent |
| Video Loss Detection | Programmable | |
| Communication | | |
| Network Connectivity | RJ-45, 10/100 Mbps Ethernet | |
| Remote Control Software | DynaGuard™ CMS, DynaRemote™ ^① | |
| Remote Operation | Monitor, Playback, Recording, System Setup, Dome Camera Control, Archive | |
| RS-485 | D-SUB | |
| IR Remote | Yes, Optional | |
| Dome Camera Control Protocol | DSCP, Pelco P, Pelco D, AD422, Fastrax 2, Panasonic, JVC | N/A |
| General | | |
| Unit Dimension (W x H x D) | 330 x 228 x 53 mm (13 x 9 x 2.1 inches) | |
| Unit Weight | 2 Kg (4.4 lbs) | |
| Operation Temperature | 0°C ~ 40°C (32°F ~ 140°F) | |
| Relative Humidity | 10% ~ 90% Non-condensing | |
| Power Consumption & Input | AC 100~240V, 50-60Hz, 60W Adaptor | |

Product specification and availability subject to change without notice. Certain product names mentioned herein may be trade names and / or registered trademarks of their companies.

Remark ①: DynaRemote™ Software Requirements:

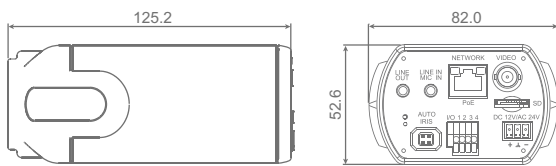
Windows 2000, XP or Vista, Intel® Pentium® M 1.40GHZ or faster, 512 MB RAM (1 GB RAM or above is recommended), Microsoft® Internet Explorer 6.0 SP2, LAN or Internet connection.

Megapixel IP Camera

NH061 Series HD • Real-time • WDR



Dimension



Unit: (mm)

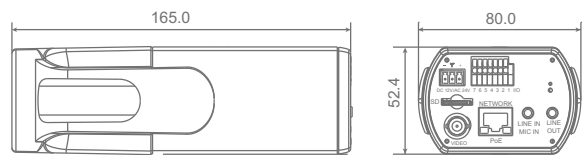
Features

- Sony Progressive Scan CCD/CMOS sensor
- NEW** • HD 720p real-time at dual streaming
- H.264, MJPEG and MPEG-4 compression
- NEW** • Integrated real-time WDR
- NEW** • 2D / 3D Noise Reduction
- Motion Detection
- Privacy Masks
- Day/Night (ICR)
- Micro SD support
- BNC analog output

NH071 Series HD • Real-time • WDR • 10× Zoom



Dimension



Unit: (mm)

Features

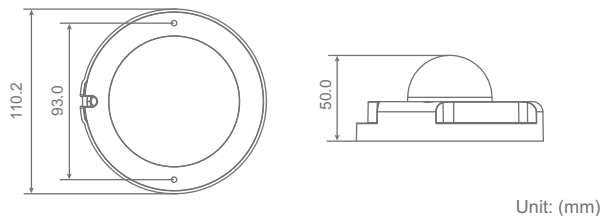
- Sony Progressive Scan CCD/CMOS sensor
- NEW** • HD 720p real-time at dual streaming
- H.264, MJPEG and MPEG-4 compression
- 10× Optical Zoom with AF
f = 4.95 ~ 49.5 mm
- NEW** • Integrated real-time WDR
- NEW** • 2D / 3D Noise Reduction
- Motion Detection
- Privacy Masks
- Day/Night (ICR)
- Micro SD support
- RS-485 support
- BNC analog output

NH102 Series

HD • Real-time • Compact



Dimension



Features

- Sony Progressive Scan CMOS sensor
- NEW** • HD 720p real-time at dual streaming
- H.264 and MJPEG compression
- f = 4.3 mm, F1.8
- Motion Detection
- Privacy Masks
- Micro SD Support
- Weatherproof Dongle Cable*
- Weatherproof (IP66 international)
- Security Torx against tampering

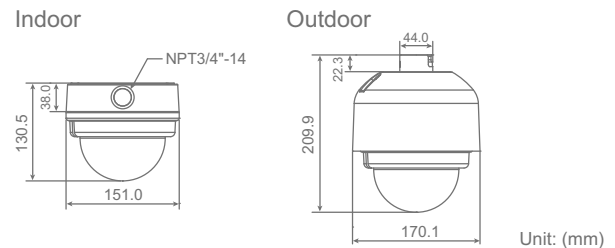
Note: Items marked with an asterisk (*) are optional

NH221 Series

HD • Real-time • WDR • Vandal Proof



Dimension

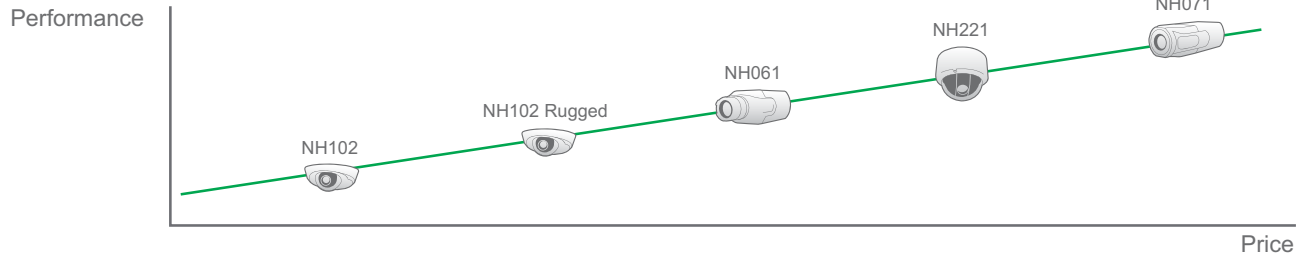


Features

- Sony Progressive Scan CCD/CMOS sensor
- NEW** • HD 720p real-time at dual streaming
- H.264, MJPEG and MPEG-4 compression
- Vari-focal f = 3.3 ~ 12 mm
- NEW** • Remote Zoom & Focus (Motorized Lens)*
- NEW** • Integrated real-time WDR
- NEW** • 2D / 3D Noise Reduction
- Motion Detection
- Privacy Masks
- Day/Night (ICR)
- Micro SD support
- BNC analog output
- Weatherproof (IP66 international)
- Vandal proof dome cover
- NEW** • Sun Shield & Outdoor Mounting Kit

Megapixel IP Camera

Value Chart



Comparison Chart

| Item | NH102 | NH102 Rugged | NH061 | NH221 | NH071 |
|---------------------|-------------|--------------|----------------------------|---------------------------|--------|
| CCD | - | - | • | • | • |
| CMOS | • | • | • | • | - |
| Lens | fixed focal | fixed focal | Motorized VF C/CS mount | Motorized VF Manual VF | 10× AF |
| ICR | - | - | ○ | ○ | • |
| Built-in Mic | ○ | - | - | - | - |
| Audio in | • | - | • | • | • |
| Audio out | - | - | • | • | • |
| Alarm | - | - | • | • | • |
| RS-485 | - | - | - | - | • |
| BNC | - | - | • | • | • |
| Micro SD | ○ | ○ | • | • | • |
| Vandal proof | - | - | - | • | - |
| Weatherproof (IP66) | - | • | - | • | - |

• Support ○ Optional - Not support

Specification

| Item | CCD Cameras | CMOS Cameras |
|-----------------------|---|--|
| Camera | | |
| Image Sensor | Sony 1/3" Progressive CCD | Sony 1/3" Progressive CMOS |
| Picture Elements | 1280(H) × 960(V) | 1280(H) × 1024(V) |
| Minimum Illumination | 0.03 lux @ F1.2 (Color) 0.001 lux @ F1.2 (B/W) | 0.03 lux @ F1.2 (Color) 0.001 lux @ F1.2 (B/W) |
| Shutter Speed | 1~ 1/10000 sec. | |
| White Balance | Manual / ATW (1500 ~ 15000 K) | |
| Digital Zoom | 1× ~ 16× | |
| Operation | | |
| Video Compression | H.264 Baseline / MJPEG / MPEG-4 Simultaneously, H.264 + H.264 | |
| Video Streaming | Simultaneously, H.264 + MJPEG Simultaneously, MPEG-4 + MJPEG Simultaneously, MJPEG + BNC | |
| Resolution | H.264: 1280 × 960 / HD 720p / D1 / VGA / QVGA / CIF / QCIF MJPEG: 1280 × 960 / HD 720p / D1 / VGA / QVGA / CIF / QCIF MPEG-4: 1280 × 960 / HD 720p / D1 / VGA / QVGA / CIF / QCIF | H.264: 1280 × 1024 / HD 720p / D1 / VGA / QVGA / CIF / QCIF MJPEG: 1280 × 1024 / HD 720p / D1 / VGA / QVGA / CIF / QCIF MPEG-4: 1280 × 1024 / HD 720p / D1 / VGA / QVGA / CIF / QCIF |
| Frame Rate | 12.5/15 fps @ 1280 × 960 25/30 fps @ 720p | 12.5/15 fps @ 1280 × 1024 25/30 fps @ 720p |
| Image Setting | Brightness, Exposure, Sharpness, Contrast, White Balance, Image rotation, WDR, 3DNR | |
| Audio | Two-way Audio | |
| Alarm | 5V 10kΩ pull up | |
| Input | Photo relay output 300V DC/AC | |
| Output | | |
| Network | | |
| Interface | RJ-45, 10/100 Mbps Ethernet | |
| Protocol | TCP/IP, UDP, RTP, RTSP, HTTP, ICMP, FTP, SMTP, DHCP, PPPoE, UPnP and IGMP | |
| Password Levels | User and Administrator | |
| Internet Browser | Internet Explorer (6.0+) | |
| User Account | 20 | |
| General | | |
| Operating Temperature | 0°C ~ 50°C (32°F ~ 122°F) | |
| | Humidity: 10% to 90%, Non-condensing | |
| Power Source | DC 12V / AC 24V / PoE | |
| Power Consumption | 6W | 4.5W |
| Certificate | CE, FCC, RoHS compliant | |

Product specification and availability subject to change without notice. Certain product names mentioned herein may be trade names and / or registered trademarks of their companies.

Product Selection



NH061-

| | | | | |
|--|---|--|----------------------------------|------------------------------|
| Sensor 3: Sony 1.3M CCD 5: Sony 1.3M CMOS | Lens Type 0: CS mount type 1: CS mount type, D/N | Power 3: DC 12V / AC 24V / PoE | Connectors 0: Standard | Power Plug 0: None |
|--|---|--|----------------------------------|------------------------------|



NH071-

| | | | | |
|-----------------------------------|---|--|----------------------------------|------------------------------|
| Sensor 3: Sony 1.3M CCD | Lens Type T: 10x zoom; 4.95 ~ 49.5 mm, D/N | Power 3: DC 12V / AC 24V / PoE | Connectors 0: Standard | Power Plug 0: None |
|-----------------------------------|---|--|----------------------------------|------------------------------|



NH102-

| | | | | | |
|------------------------------------|-------------------------------|------------------------|----------------------------------|---|--------------------------------------|
| Sensor 5: Sony 1.3M CMOS | Lens Type 2: 4.3 mm | Power 4: PoE | Connectors 1: Micro SD | Ethernet 0: RJ-45 M: M12 R: RJ-45 Cable | Microphone 0: w/o 1: w/ |
|------------------------------------|-------------------------------|------------------------|----------------------------------|---|--------------------------------------|



NH221-

| | | | | | |
|--|--|--|----------------------------------|------------------------------|---|
| Sensor 3: Sony 1.3M CCD 5: Sony 1.3M CMOS | Lens Type A: Vari-focal 3.3 ~ 12 mm B: Vari-focal 3.3 ~ 12 mm, D/N C: Motorized Vari-focal 3.3 ~ 12 mm, D/N | Power 3: DC 12V / AC 24V / PoE | Connectors 0: Standard | Power Plug 0: None | Heater & Fan 0: Indoor B: Outdoor w/ H & F |
|--|--|--|----------------------------------|------------------------------|---|

*H & F: Heater & Fan

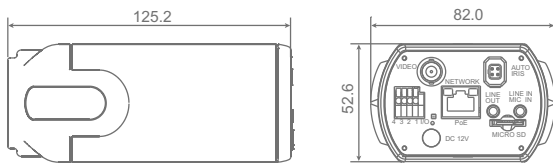
Megapixel IP Camera

V6 Series

Full HD • Real-time



Dimension



Unit: (mm)

Features

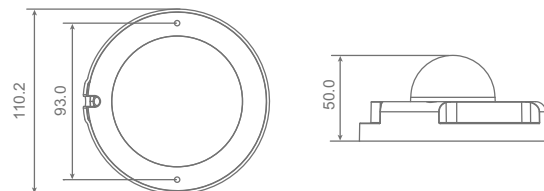
- Progressive Scan CMOS Sensor
- NEW** • Full HD 1080p / HD 720p real-time at dual streaming
- NEW** • H.264 and MJPEG compression
- Motion Detection
- Privacy Masks
- Day/Night (ICR)*
- Auto Iris Lens support*
- NEW** • Micro SD support*
- NEW** • BNC analog output*

V1 Series

Full HD • Real-time • Compact



Dimension



Unit: (mm)

Features

- Progressive Scan CMOS Sensor
- NEW** • Full HD 1080p / HD 720p real-time at dual streaming
- H.264 and MJPEG compression
- NEW** • f = 4 mm, F1.5
- Power over Ethernet (802.3af)
- Motion Detection
- Privacy Masks
- Weatherproof Dongle Cable*
- Weatherproof (IP66 international)
- Micro SD support*
- NEW** • Security Torx against tampering

Note: Items marked with an asterisk (*) are optional

V2 Series

Full HD • Real-time • Vandal Proof



Versatile H.264 IP Camera

V3 Series

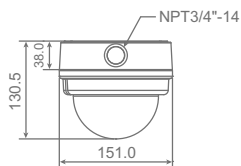
Full HD • Real-time • Vari-focal



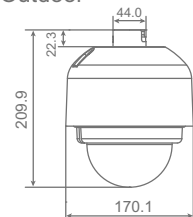
Versatile H.264 IP Camera

Dimension

Indoor



Outdoor

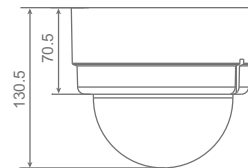
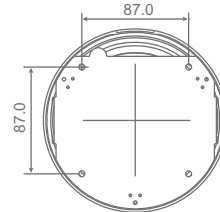


Unit: (mm)

Features

- Progressive Scan CMOS Sensor
- NEW** • Full HD 1080p / HD 720p real-time at dual streaming
- H.264 and MJPEG compression
- NEW** • Remote Zoom & Focus (Motorized Lens)*
- Motion Detection
- Privacy Masks
- Day/Night (ICR)
- NEW** • Micro SD support
- BNC analog output
- Weatherproof (IP66 international)
- Vandal proof dome cover
- NEW** • Sun Shield & Outdoor Mounting Kit

Dimension



Unit: (mm)

Features

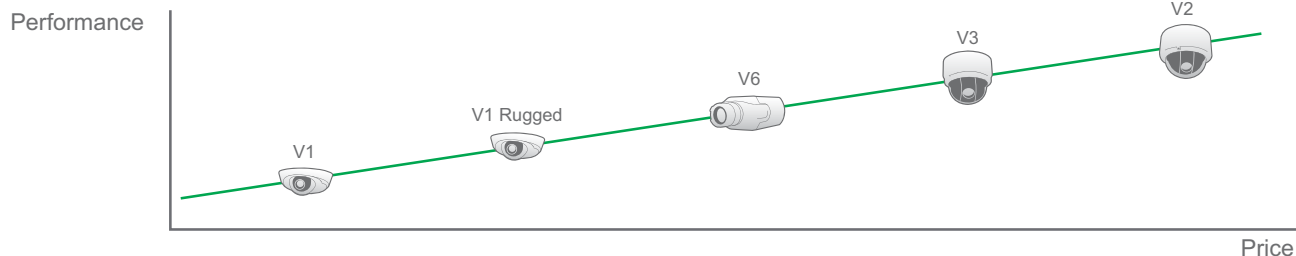
- Progressive Scan CMOS Sensor
- NEW** • Full HD 1080p / HD 720p real-time at dual streaming
- H.264 and MJPEG compression
- Remote Zoom & Focus (Motorized Lens)*
- NEW** • Lightweight dome cover
- Detachable modular design
- NEW** • 3-Axis position adjustment
- Motion Detection
- Privacy Masks
- Day/Night (ICR)
- Micro SD support

※ Available in 2010 Q3

Note: Items marked with an asterisk (*) are optional

Megapixel IP Camera

Value Chart



Comparison Chart

| Item | V1 | V1 Rugged | V6 | V3 | V2 |
|---------------------|-------------|-------------|----------------------------|-----------|--------------|
| CMOS | ● | ● | ● | ● | ● |
| Lens | fixed focal | fixed focal | Motorized VF C/CS mount | Manual VF | Motorized VF |
| ICR | - | - | ○ | ○ | ○ |
| Built-in Mic | ○ | - | - | - | - |
| Audio in | ● | - | ● | ● | ● |
| Audio out | - | - | ● | ● | ● |
| Alarm | - | - | ● | ● | ● |
| BNC | - | - | ○ | ● | ● |
| Micro SD | ○ | ○ | ○ | ● | ● |
| Weatherproof (IP66) | - | ● | - | - | ● |

● Support ○ Optional - Not support

Specification

| Item | Full HD Real-time | Full HD |
|-----------------------|--|--|
| Camera | | |
| Image Sensor | 1/2.7" Progressive CMOS | 1/2.7" Progressive CMOS |
| Picture Elements | 1920(H) × 1080(V) | 1920(H) × 1080(V) |
| Shutter Speed | 1~1/10000 sec. | 1~1/10000 sec. |
| White Balance | Manual/ATW (1500 ~ 15000K) | |
| Digital Zoom | Support | |
| Operation | | |
| Video Compression | H.264 Main Profile/MJPEG | |
| Video Streaming | Simultaneously, H.264 + H.264 Simultaneously, H.264 + MJPEG Simultaneously, MJPEG + BNC | |
| Resolution | H.264: Full HD 1080p/HD 720p MJPEG: Full HD 1080p/HD 720p/D1/CIF | |
| Frame Rate | H.264: 1080p 25/30fps MJPEG: 1080p 25/30fps | H.264: 720p 25/30fps MJPEG: 720p 25/30fps |
| Image Setting | Exposure, White Balance, Brightness, Sharpness, Contrast, Saturation, Hue, Image rotation, Motion detection, Privacy Mask | |
| Audio | Line Out, Line In/Mic In | |
| Alarm | 5V 10kΩ pull up Photo relay output 300V DC/AC | |
| Network | | |
| Interface | RJ-45, 10/100 Mbps Ethernet | |
| Protocol | TCP/IP, UDP, RTP, RTSP, HTTP, ICMP, FTP, SMTP, DHCP, PPPoE, UPnP and IGMP | |
| Password Levels | User and Administrator | |
| Internet Browser | Internet Explorer (6.0+) | |
| User Account | 20 | |
| General | | |
| Operating Temperature | 0°C ~ 50°C (32°F ~ 122°F) | |
| Power Source | Humidity: 10% to 90%, Non-condensing | |
| Power Consumption | DC 12V / AC 24V / PoE | |
| Certificate | 4W CE, FCC, RoHS compliant | |

Product specification and availability subject to change without notice. Certain product names mentioned herein may be trade names and / or registered trademarks of their companies.

Product Selection



V6-

| | | | | |
|--|---|---------------------------------|---|------------------------------|
| Solution A: Full HD CMOS B: Full HD CMOS, real-time | Lens Type 0: CS mount type 1: CS mount type, D/N | Power 2: DC 12V / PoE | Connectors 0: None 7: BNC & Auto Iris & Micro SD | Power Plug 0: None |
|--|---|---------------------------------|---|------------------------------|



V1-

| | | | | |
|--|--|------------------------|---|---|
| Solution A: Full HD CMOS B: Full HD CMOS, real-time | Lens Type 3: 6.0 mm, F1.6 4: 4.0 mm, F1.5 | Power 4: PoE | Connectors 0: None 3: Mic & Micro SD | Ethernet 0: RJ-45 M: M12 R: RJ-45 Cable |
|--|--|------------------------|---|---|



V2-

| | | | |
|--|---|--|---|
| Solution A: Full HD CMOS B: Full HD CMOS, real-time | Lens Type A: Vari-focal B: Vari-focal, D/N C: Motorized Vari-focal, D/N | Power 3: DC 12V / AC 24V / PoE | Heater & Fan 0: Indoor B: Outdoor w/ H & F |
|--|---|--|---|

*H & F: Heater & Fan

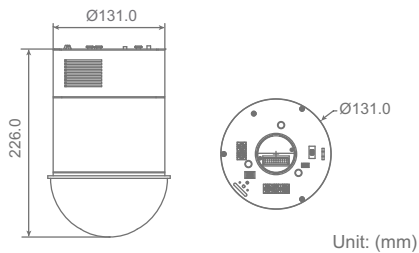
High Speed Dome Camera

DynaHawk™ 701 / 801+ Series



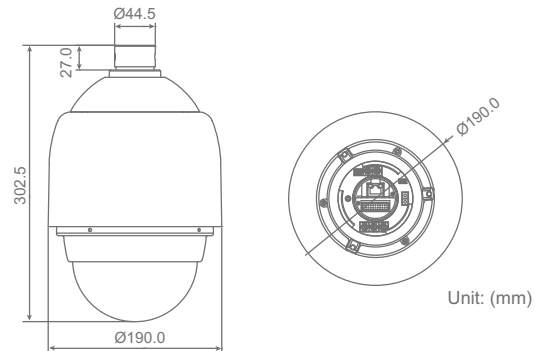
Dimension

DH701 Integrated High Speed Dome Camera



Dimension

DH801+ Integrated High Speed Dome Camera



Features

Precise and Accurate Dome Camera Performance

- Preset speed up to 400°/sec.
- Preset accuracy of 0.225°
- Proportional Pan & Tilt Speed
- Preset Position / Auto-Pan / Sequence / Cruise
- Auto-Calibration
- Digital / Mechanical Image Flip (180°)

Dynamic Dome Camera Applications

- NEW** • Multi-language OSD
- Schedule function
- NEW** • Multiple built-in protocols
- Up to 24 privacy masks
- 8 alarm inputs, 1 alarm output
- Motion Detection
- Flexible indoor / outdoor mountings
- Compact lightweight design for easy installation
- Weatherproof housing
- NEW** • Integrated Pelco Coaxitron® support
- NEW** • Integrated BOSCH Biphase® support

Note: Items marked with an asterisk (*) are optional

Superior Camera Image Quality

- Minimum illumination 0.01 Lux (B/W)
- Digital Slow Shutter
- Electronic Shutter
- Wide Dynamic Range
- Auto White Balance
- Backlight Compensation
- Auto Exposure
- Image Inverse
- Removable IR Cut Filter
- Electronic Image Stabilizer*
- Digital Noise Reduction*

Specification

| Item | | G Model | M Model | V Model | P Model | T Model |
|-----------------------------|--------|---|-------------------------|---|-------------------------|-------------------------|
| Camera | | | | | | |
| CCD Sensor | | 1/4" EXview CCD | 1/4" CCD | 1/4" EXview CCD | 1/4" CCD | 1/4" EXview CCD |
| Progressive Scan | | - | Yes | - | Yes | - |
| Optical Zoom | | 18x | 23x | 26x | 35x | 36x |
| Digital Zoom | | | | 1x ~ 12x variable | | |
| Effective Pixels | NTSC | | | 380 k | | |
| | PAL | | | 440 k | | |
| Horizontal Resolution | NTSC | 530 TVL | 540 TVL | 530 TVL | 540 TVL | 530 TVL |
| | PAL | 530 TVL | 540 TVL | 530 TVL | 540 TVL | 530 TVL |
| Scanning System | | | | NTSC / PAL | | |
| Synchronization | | | | Internal / Line Lock | | |
| Video Output | | | | 1.0 Vpp / 75 ohm, BNC | | |
| S/N Ratio | | | | > 50 dB (AGC Off) | | |
| Minimum Illumination | | 0.07 lux, 0.01 lux (B/W) | 0.1 lux, 0.01 lux (B/W) | 0.09 lux, 0.01 lux (B/W) | 0.1 lux, 0.01 lux (B/W) | 0.1 lux, 0.01 lux (B/W) |
| Focal Length | | 4.1 ~ 73.8 mm | 3.6 ~ 82.8 mm | 3.5 ~ 91 mm | 3.4 ~ 119 mm | 3.4 ~ 122.4 mm |
| Focus Mode | | | | Auto / Manual | | |
| White Balance | | | | Auto / Manual | | |
| Iris Control | | | | Auto / Manual | | |
| Electronic Shutter | NTSC | 1/1 ~ 1/10k sec. | 1/2 ~ 1/30k sec. | 1/1 ~ 1/10k sec. | 1/1 ~ 1/30k sec. | 1/1 ~ 1/10k sec. |
| | PAL | 1/1 ~ 1/10k sec. | 1/1.5 ~ 1/30k sec. | 1/1 ~ 1/10k sec. | 1/1 ~ 1/30k sec. | 1/1 ~ 1/10k sec. |
| AGC Control | | | | Auto / Manual | | |
| Back Light Compensation | | | | On / Off | | |
| Operation | | | | | | |
| Built-in Protocol | | | | DSCP, Pelco P, Pelco D, AD422, Philips, Kalatel, VCL, JVC, etc. | | |
| Multi-language OSD | | English, French, German, Italian, Japanese, Polish, Portuguese, Russian, Spanish, Turkish, S. Chinese, T. Chinese | | | | |
| Pan Travel | | | | 360° endless | | |
| Tilt Travel | | | | -10° ~ 190° | | |
| Manual Speed | | | | 0.5° ~ 90°/s | | |
| Presets | | | | 256 | | |
| Preset Accuracy | | | | 0.225° | | |
| Preset Speed | | | | 5° ~ 400°/s | | |
| Sequence | | | | 8 | | |
| Auto-Pan | | | | 4 | | |
| Cruise | | | | 8 | | |
| Privacy Mask | | 24 | 8 | 24 | 8 | 24 |
| Proportional Pan & Tilt | | On / Off (Pan and tilt speed is proportional to zoom ratio) | | | | |
| Resume after Power Loss | | Yes | | | | |
| Zone Title | | 16 | | | | |
| Home Function | | Preset, Sequence, Auto-Pan, Cruise | | | | |
| Auto-Flip | | Digital / Mechanical / Off | | | | |
| Digital Slow Shutter | | On / Off | On / Off | On / Off | On / Off | On / Off |
| Electronic Image Stabilizer | | - | - | - | On / Off | - |
| Motion Detection | | On / Off | On / Off | On / Off | On / Off | On / Off |
| Wide Dynamic Range | | On / Off | On / Off | On / Off | On / Off | On / Off |
| Day / Night: IR Cut Filter | | On / Off | On / Off | On / Off | On / Off | On / Off |
| Image Freeze | | On / Off | On / Off | On / Off | On / Off | On / Off |
| Image Inverse | | On / Off | On / Off | On / Off | On / Off | On / Off |
| Digital Noise Reduction | | - | - | - | On / Off | - |
| Alarm Input | | 8 | | | | |
| Alarm Output | | 1 | | | | |
| Alarm Reaction | | Preset, Sequence, Auto-Pan, Cruise | | | | |
| General | | | | | | |
| Environment | | Indoor / Outdoor | | | | |
| Controller Interface | | RS-485 | | | | |
| Operating Temperature | DH701 | 0 °C ~ 40 °C (32 °F ~ 104 °F) | | | | |
| | DH801+ | -45 °C ~ 50 °C (-49 °F ~ 122 °F) | | | | |
| Weatherproof Standard | | IP66 Standard (DH801+ series only) | | | | |
| Dimension | DH701 | Ø 131 × 226 mm (Ø 5.2 × 8.9 inches) | | | | |
| | DH801+ | Ø 172 × 302.5 mm (Ø 6.7 × 11.9 inches) / Ø 190 × 302.5 mm (Ø 7.5 × 11.9 inches), with sunshield | | | | |
| Weight | DH701 | 1.6 Kg (3.5 lbs) | | | | |
| | DH801+ | 2.6 Kg (5.7 lbs) | | | | |
| Power Source | DH701 | DC 12V / AC 24V ± 10% | | | | |
| | DH801+ | AC 24V ± 10% | | | | |
| Power Consumption | | 20 W | | | | |
| Regulatory | DH701 | 65 W (with heater) | | | | |
| | DH801+ | CE, FCC, RoHS | | | | |

Product specification and availability subject to change without notice. Certain product names mentioned herein may be trade names and / or registered trademarks of their companies.

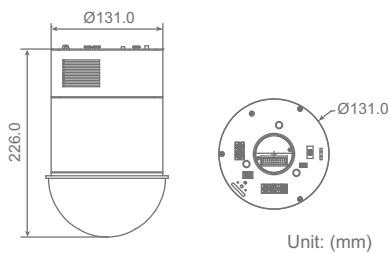
High Speed Dome Camera

DynaHawk™ 701 / 801+ S Series



Dimension

DH701 Integrated High Speed Dome Camera



Features

Precise and Accurate Dome Camera Performance

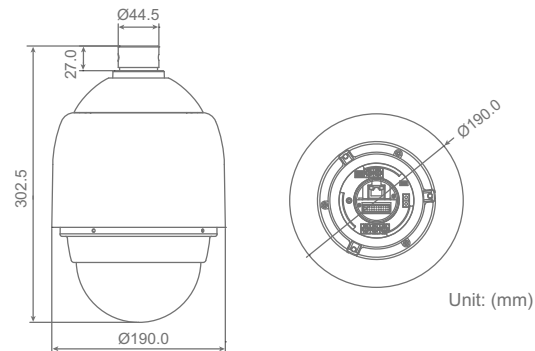
- High Resolution up to 650 TV lines
- Preset speed up to 400°/sec.
- Preset accuracy of 0.225°
- 360° Endless Pan
- Proportional Pan & Tilt Speed
- Preset Position / Auto-Pan / Sequence / Cruise
- Auto-Calibration
- Digital / Mechanical Image Flip (180°)

Dynamic Dome Camera Applications

- NEW** • Multi-language OSD
- Schedule function
- NEW** • Multiple built-in protocols
- 16 privacy masks
- 8 alarm inputs, 1 alarm output
- Motion Detection
- Flexible indoor / outdoor mountings
- Compact lightweight design for easy installation
- Weatherproof housing
- NEW** • Integrated Pelco Coaxitron® support
- NEW** • Integrated BOSCH Biphase® support

Dimension

DH801+ Integrated High Speed Dome Camera



Superior Camera Image Quality

- Minimum illumination 0.01 Lux (B/W)
- Digital Slow Shutter
- Electronic Shutter
- Auto White Balance
- Backlight Compensation
- Auto Exposure
- Image Inverse
- NEW** • Removable IR Cut Filter
- NEW** • Wide Dynamic Range
- NEW** • 2D / 3D Noise Reduction

Optional Network Functions

- NEW** • H.264 and MJPEG compression
- NEW** • D1 Real-time resolution
- NEW** • 3D de-interlaced support

Specification

| Item | S3 Model | S5 Model | S4 Model | S6 Model | |
|----------------------------|---|---|----------------|----------|-------|
| Camera | | | | | |
| CCD Sensor | Sony CCD | | | | |
| Progressive Scan | - | | | | |
| Optical Zoom | 30× | | 36× | | |
| Digital Zoom | 1× ~ 12× variable | | | | |
| Effective Pixels | NTSC | 380 k | 480k | 380 k | 480k |
| | PAL | 440 k | 570 k | 440 k | 570 k |
| Horizontal Resolution | 540 TVL | 650 TVL | 540 TVL | 650 TVL | |
| Scanning System | NTSC / PAL | | | | |
| Synchronization | Internal / Line Lock | | | | |
| Video Output | 1.0 Vp-p / 75 Ω, BNC | | | | |
| S/N Ratio | > 50 dB (AGC Off) | | | | |
| Minimum Illumination | 0.1 lux, 0.01lux (B/W) | | | | |
| Focal Length | 3.4 ~ 102 mm | | 3.4 ~ 122.4 mm | | |
| Focus Mode | Auto / Manual | | | | |
| White Balance | Auto / Manual | | | | |
| Iris Control | Auto / Manual | | | | |
| Electronic Shutter | 1/1~1/10k sec. | | | | |
| AGC Control | Auto / Manual | | | | |
| Back Light Compensation | On / Off | | | | |
| Operation | | | | | |
| Built-in Protocol | DSCP, Pelco P, Pelco D, AD422, Philips, Kalatel, VCL, JVC, etc. | | | | |
| Multi-language OSD | English, French, German, Italian, Japanese, Polish, Portuguese, Russian, Spanish, Turkish, S. Chinese, T. Chinese | | | | |
| Pan Travel | 360° endless | | | | |
| Tilt Travel | -10° ~ 190° | | | | |
| Manual Speed | 0.5° ~ 90°/s | | | | |
| Presets | 256 | | | | |
| Preset Accuracy | 0.225° | | | | |
| Preset Speed | 5° ~ 400°/s | | | | |
| Sequence | 8 | | | | |
| Auto-Pan | 4 | | | | |
| Cruise | 8 | | | | |
| Privacy Mask | 16 | | | | |
| Proportional Pan & Tilt | On / Off (Pan and tilt speed proportional to zoom ratio) | | | | |
| Resume after Power Loss | Yes | | | | |
| Zone Title | 16 | | | | |
| Home Function | Preset, Sequence, Auto-Pan, Cruise | | | | |
| Auto-Flip | Digital / Mechanical / Off | | | | |
| Digital Slow Shutter | On / Off | | | | |
| Motion Detection | On / Off | | | | |
| Wide Dynamic Range | On / Off | | | | |
| Day / Night: IR Cut Filter | On / Off | | | | |
| Image Freeze | On / Off | | | | |
| Image Inverse | On / Off | | | | |
| Noise Reduction | 2D | On / Off | | | |
| | 3D | On / Off | | | |
| Alarm Input | 8 | | | | |
| Alarm Output | 1 | | | | |
| Alarm Reaction | Preset, Sequence, Auto-Pan, Cruise | | | | |
| Network; optional | | | | | |
| Video Compression | H.264 Main Profile, MJPEG | | | | |
| Video Streaming | Dual H.264 / Simultaneously H.264 + MJPEG | | | | |
| Video Resolution | D1: NTSC 720 × 480 / PAL 720 × 576; CIF: NTSC 352 × 240 / PAL 352 × 288 | | | | |
| Frame Rate | 30 fps @ D1 Resolution | | | | |
| Audio Compression | G.726 ADPCM/ AAC | | | | |
| Audio Streaming | Full-duplex, Half-duplex, Simplex | | | | |
| Interface | RJ45, 10/100 Mbps Ethernet | | | | |
| Protocols | TCP/IP, UDP, HTTP, FTP, SMTP, ARP, ICMP, DHCP, RTP/RTSP | | | | |
| Alarm | 4 digital alarm inputs / 1 alarm output | | | | |
| Alarm Reaction | Preset, Sequence, Auto-Pan, Cruise | | | | |
| Security | User Account and Password Protection | | | | |
| General | | | | | |
| Environment | Indoor / Outdoor | | | | |
| Controller Interface | RS-485 | | | | |
| Operating Temperature | DH701 | 0 °C ~ 40 °C (32 °F ~ 104 °F) | | | |
| | DH801+ | -45 °C ~ 50 °C (-49 °F ~ 122 °F) | | | |
| Regulatory | IP66 Standard (DH801+ series only) | | | | |
| Dimension | DH701 | Ø 131 × 226 mm (Ø 5.2 × 8.9 Inches) | | | |
| | DH801+ | Ø 172 × 302.5 mm (Ø 6.7 × 11.9 Inches) / Ø 190 × 302.5 mm (Ø 7.5 × 11.9 Inches), with sunshield | | | |
| Weight | DH701 | 1.6 kg (3.5 lbs) | | | |
| | DH801+ | 2.6 kg (5.7 lbs) | | | |
| Power Source | DH701 | DC 12V / AC 24V ± 10% | | | |
| | DH801+ | AC 24V ± 10% | | | |
| Power Consumption | DH701 | 20 W | | | |
| | DH801+ | 65 W (with heater) | | | |
| Regulatory | CE, FCC, RoHS | | | | |

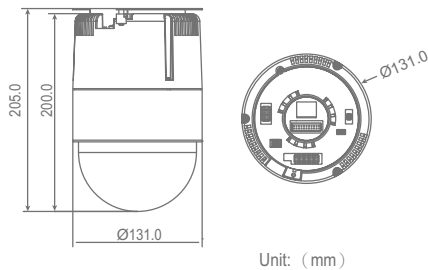
High Speed Dome Camera

DynaHawk™ 510 / 610 Series



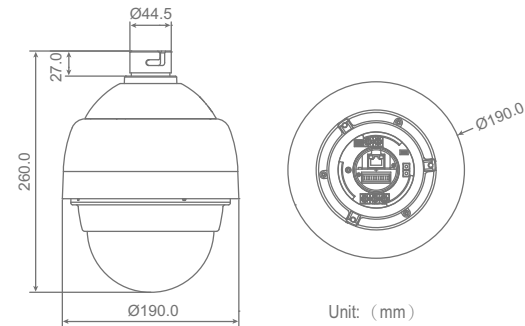
Dimension

DH510 Mini Speed Dome Camera



Dimension

DH610 Mini Speed Dome Camera



Features

Precise and Accurate Dome Camera Performance

- NEW** • High Resolution up to 650 TV lines
 - Preset Speed up to 400°/sec.
- NEW** • Preset Accuracy of 0.225°
 - 360° Endless Pan
 - Proportional Pan & Tilt Speed
 - Preset Positions / Auto-Pan / Sequence / Cruise
 - Auto-Calibration
 - Digital / Mechanical Image Flip (180°)

Dynamic Dome Camera Applications

- Schedule function
- Multiple built-in protocols
- Extraordinary lightweight design for easy installation
- Vandal proof dome cover*
- Weatherproof housing (DynaHawk™ 610 series)
- Flexible indoor / outdoor mountings
- 16 Privacy Masks
- Motion Detection

Note: Items marked with an asterisk (*) are optional

Superior Camera Image Quality

- 12× Optical Zoom
- 12× Digital Zoom
- Digital Slow Shutter
- Backlight Compensation
- Auto Focus
- Auto White Balance
- Auto Gain Control
- Auto Iris Control
- Auto-Calibration
- Removable IR Cut Filter
- Minimum Illumination: 0.1 Lux, 0.01 Lux (B/W)
- NEW** • Wide Dynamic Range
- NEW** • 2D / 3D Noise Reduction

Optional Network Functions

- NEW** • H.264 and MJPEG compression
- NEW** • D1 Real-time resolution
- NEW** • 3D de-interlaced support

Specification

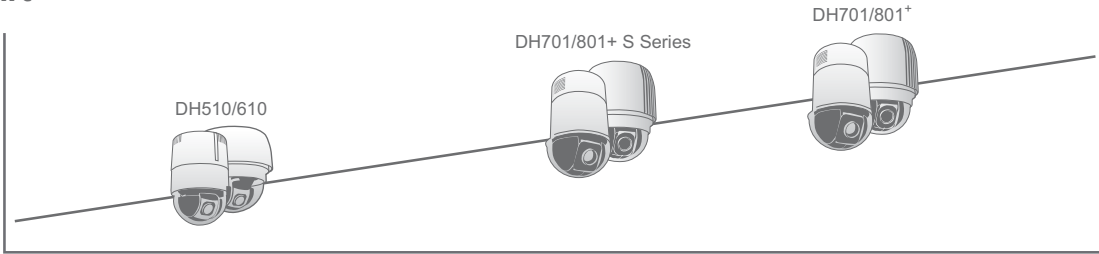
| Item | DH510 | DH610 |
|----------------------------|---|----------------------------------|
| Camera | | |
| CCD Sensor | Sony CCD | |
| Optical Zoom | 12× | |
| Digital Zoom | 1× ~ 12× variable | |
| Effective Pixels | NTSC | 380 k / 480 k |
| | PAL | 440 k / 570 k |
| Horizontal Resolution | 540 TVL / 650 TVL | |
| Scanning System | NTSC / PAL | |
| Synchronization | Internal / Line Lock | |
| Video Output | 1.0 Vp-p / 75 Ω, BNC | |
| Minimum Illumination | 0.1 lux; 0.01 lux (B/W) | |
| Focal Length | 3.8 ~ 45.6 mm | |
| Focus Mode | Auto / Manual | |
| White Balance | Auto / Manual / Indoor / Outdoor | |
| Iris Control | Auto / Manual | |
| Electronic Shutter | 1/1 ~ 1/10k sec. | |
| AGC Control | Auto / Manual | |
| Back Light Compensation | On / Off | |
| Operation | | |
| Built-in Protocol | DSCP, Pelco P, Pelco D, AD422, Philips, Kalatel, VCL, JVC, etc. | |
| Multi-language OSD | English, French, German, Italian, Portuguese, Spanish | |
| Pan Travel | 360° endless | |
| Tilt Travel | -10° ~ 190° | |
| Manual Speed | 1° ~ 80°/s | |
| Presets | 256 | |
| Preset Accuracy | 0.225° | |
| Preset Speed | 10° ~ 400°/s | |
| Sequence | 8 | |
| Auto-Pan | 4 | |
| Cruise | 8 | |
| Privacy Mask | 16 | |
| Proportional Pan & Tilt | On / Off (Pan and tilt speed is proportional to zoom ratio) | |
| Resume after Power Loss | Yes | |
| Zone Title | 16 | |
| Home Function | Preset, Sequence, Auto-Pan, Cruise | |
| Auto-Flip | Digital / Mechanical / Off | |
| Digital Slow Shutter | On / Off | |
| Motion Detection | On / Off | |
| Wide Dynamic Range | On / Off | |
| Day / Night: IR Cut Filter | On / Off | |
| Image Freeze | On / Off | |
| Image Inverse | On / Off | |
| Noise Reduction | 2D | On / Off |
| | 3D | On / Off |
| Alarm Input | 8 | |
| Alarm Output | 1 | |
| Alarm Reaction | Preset, Sequence, Auto-Pan, Cruise | |
| Network; optional | | |
| Video Compression | H.264 Main Profile, MJPEG | |
| Video Streaming | Dual H.264 / Simultaneously H.264 + MJPEG | |
| Video Resolution | D1: NTSC 720 × 480 / PAL 720 × 576 | |
| | CIF: NTSC 352 × 240 / PAL 352 × 288 | |
| Frame Rate | 30 fps @ D1 Resolution | |
| Audio Compression | G.726 ADPCM/ AAC | |
| Audio Streaming | Full-duplex, Half-duplex, Simplex | |
| Interface | RJ45, 10/100 Mbps Ethernet | |
| Protocols | TCP/IP, UDP, HTTP, FTP, SMTP, ARP, ICMP, DHCP, RTP/RTSP | |
| Alarm | 4 digital alarm inputs / 1 alarm output | |
| Alarm Reaction | Preset, Sequence, Auto-Pan, Cruise | |
| Security | User Account and Password Protection | |
| General | | |
| Environment | Indoor | Outdoor |
| Controller Interface | RS-485 | |
| Operating Temperature | 0 °C ~ 40 °C (32 °F ~ 104 °F) | -30 °C ~ 45 °C (-22 °F ~ 113 °F) |
| Weatherproof Standard | IP66 Standard | |
| Dimension | Ø 131 × 200 mm (Ø 5.2 × 7.8 inches) | |
| | Ø 190 × 260 mm (Ø 7.5 × 10.2 inches), with sunshield | |
| Weight | 1.2 kg (2.6 lbs) | 2.1 kg (4.6 lbs) |
| Power Source | DC 12V / AC 24V±10% | AC 24V ± 10% |
| Power Consumption | 18 W | 52 W (with heater) |
| Regulatory | CE, FCC, RoHS | |

Product specification and availability subject to change without notice. Certain product names mentioned herein may be trade names and / or registered trademarks of their companies.

High Speed Dome Camera

Value Chart

Performance



Price

Indoor Model Comparison Chart

| Item | DH701 | | | | | | DH510 | |
|-----------------------------|---------|---------|---------|---------|---------|-------------------|-------------------|-------------------|
| | T | P | V | M | G | S4/S6 | S3/S5 | |
| Camera | | | | | | | | |
| Optical Zoom | 36× | 35× | 26× | 23× | 18× | 36× | 30× | 12× |
| Digital Zoom | 12× | 12× | 12× | 12× | 12× | 12× | 12× | 12× |
| Resolution | 530 TVL | 540 TVL | 530 TVL | 540 TVL | 530 TVL | 540 TVL / 650 TVL | 540 TVL / 650 TVL | 540 TVL / 650 TVL |
| Day / Night (ICR) | ● | ● | ● | ● | ● | ● | ● | ● |
| Wide Dynamic Range | ● | ● | ● | ● | ● | ● | ● | ● |
| Motion Detection | ● | ● | ● | ● | ● | ● | ● | ● |
| Digital Image Flip | ● | ● | ● | ● | ● | ● | ● | ● |
| 2D/3D Noise Reduction | - | ● | - | - | - | ● | ● | ● |
| Electronic Image Stabilizer | - | ● | - | - | - | - | - | - |
| Operation | | | | | | | | |
| Endless Pan Rotation | ● | ● | ● | ● | ● | ● | ● | ● |
| Preset Positions | 256 | 256 | 256 | 256 | 256 | 256 | 256 | 256 |
| Sequence Lines | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| Auto-Pan | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| Cruise | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| Privacy Mask | 24 | 8 | 24 | 8 | 24 | 16 | 16 | 16 |
| Home Function | ● | ● | ● | ● | ● | ● | ● | ● |
| Multi-language OSD | ● | ● | ● | ● | ● | ● | ● | ● |
| Multiple Protocols | ● | ● | ● | ● | ● | ● | ● | ● |
| Resume after Power Loss | ● | ● | ● | ● | ● | ● | ● | ● |
| Proportional Pan & Tilt | ● | ● | ● | ● | ● | ● | ● | ● |

● Support ○ Option - Not Support

Outdoor Model Comparison Chart

| Item | DH801+ | | | | | | DH610 | |
|----------------------------------|---------|---------|---------|---------|---------|-------------------|-------------------|-------------------|
| | T | P | V | M | G | S4/S6 | S3/S5 | |
| Camera | | | | | | | | |
| Optical Zoom | 36× | 35× | 26× | 23× | 18× | 36× | 30× | 12× |
| Digital Zoom | 12× | 12× | 12× | 12× | 12× | 12× | 12× | 12× |
| Resolution | 530 TVL | 540 TVL | 530 TVL | 540 TVL | 530 TVL | 540 TVL / 650 TVL | 540 TVL / 650 TVL | 540 TVL / 650 TVL |
| Day / Night (ICR) | ● | ● | ● | ● | ● | ● | ● | ● |
| Wide Dynamic Range | ● | ● | ● | ● | ● | ● | ● | ● |
| Motion Detection | ● | ● | ● | ● | ● | ● | ● | ● |
| Digital Image Flip | ● | ● | ● | ● | ● | ● | ● | ● |
| 2D/3D Noise Reduction | - | ● | - | - | - | ● | ● | ● |
| Electronic Image Stabilizer | - | ● | - | - | - | - | - | - |
| Operation | | | | | | | | |
| Endless Pan Rotation | ● | ● | ● | ● | ● | ● | ● | ● |
| Preset Positions | 256 | 256 | 256 | 256 | 256 | 256 | 256 | 256 |
| Sequence Lines | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| Auto-Pan | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| Cruise | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| Privacy Mask | 24 | 8 | 24 | 8 | 24 | 16 | 16 | 16 |
| Home Function | ● | ● | ● | ● | ● | ● | ● | ● |
| Multi-language OSD | ● | ● | ● | ● | ● | ● | ● | ● |
| Multiple Protocols | ● | ● | ● | ● | ● | ● | ● | ● |
| Resume after Power Loss | ● | ● | ● | ● | ● | ● | ● | ● |
| Proportional Pan & Tilt | ● | ● | ● | ● | ● | ● | ● | ● |
| Outdoor Dome Camera | | | | | | | | |
| Vandal Proof Dome Cover | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| Built-in Heater | ● | ● | ● | ● | ● | ● | ● | ● |
| Weather Resistant Housing (IP66) | ● | ● | ● | ● | ● | ● | ● | ● |
| Sunshield Housing | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |

● Support ○ Option - Not Support

Product Selection



DH701 -
 DH801⁺ -

| Interface | Camera | Motor | Video System | Body Color | Cover Color | Sunshield | Power |
|--|---|---------------------|-----------------------------------|------------------|---|--------------------------------|--|
| <i>O</i> : Analog <i>E</i> : Ethernet <i>X</i> : Coaxial <i>B</i> : Biphase | <i>G</i> : 18×, ICR <i>M</i> : 23×, ICR <i>V</i> : 26×, ICR <i>P</i> : 35×, ICR <i>T</i> : 36×, ICR | <i>F</i> : Standard | <i>N</i> : NTSC <i>P</i> : PAL | <i>W</i> : White | <i>T</i> : Transparent <i>S</i> : Smoke <i>V</i> : Vandal Proof | <i>0</i> : w/o <i>1</i> : w | <i>1</i> : DC 12V <i>2</i> : AC 24V |

*ICR, IR Cut Filter Removable, enables Day / Night function



DH701 -S
 DH801⁺ -S

| Interface | Camera | Motor | Video System | Body Color | Cover Color | Sunshield | Power |
|--|--|---------------------|-----------------------------------|------------------|---|--------------------------------|--|
| <i>O</i> : Analog <i>E</i> : Ethernet <i>X</i> : Coaxial <i>B</i> : Biphase | <i>3</i> : 30×, ICR, 540 TVL <i>4</i> : 36×, ICR, 540 TVL <i>5</i> : 30×, ICR, 650 TVL <i>6</i> : 36×, ICR, 650 TVL | <i>F</i> : Standard | <i>N</i> : NTSC <i>P</i> : PAL | <i>W</i> : White | <i>T</i> : Transparent <i>V</i> : Vandal Proof <i>S</i> : Smoke | <i>0</i> : w/o <i>1</i> : w | <i>1</i> : DC 12V <i>2</i> : AC 24V |

*ICR, IR Cut Filter Removable, enables Day / Night function

** All models support WDR function



DH510 -
 DH610 -

| Interface | Camera | Sensor | Motor | Video System | Body | Cover Color | Power |
|--|---------------------|--|---------------------|-----------------------------------|--|---|--|
| <i>O</i> : Analog <i>E</i> : Ethernet | <i>D</i> : 12×, ICR | <i>1</i> : 540 TVL <i>2</i> : 650 TVL | <i>A</i> : Standard | <i>N</i> : NTSC <i>P</i> : PAL | <i>1</i> : Standard (DH510) <i>2</i> : Classic (DH510) <i>A</i> : w/o Sunshield (DH610) <i>B</i> : w/ Sunshield (DH610) | <i>T</i> : Transparent <i>V</i> : Vandal Proof <i>S</i> : Smoke | <i>1</i> : DC 12V <i>2</i> : AC 24V |

*ICR, IR Cut Filter Removable, enables Day / Night function

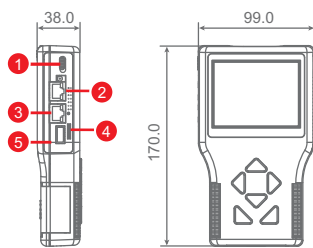
** All models support WDR function

Application

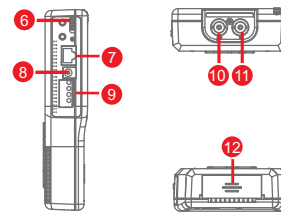
DynaTester™ DT-1 Series



Dimension



- ① PoE Switch Bypass / Power Bank
- ② LAN / PoE Out
- ③ LAN / PoE In
- ④ Micro SD
- ⑤ USB



- ⑥ Power On /Off
- ⑦ CAT5
- ⑧ DC-12V
- ⑨ RS-485
- ⑩ AV In
- ⑪ AV Out
- ⑫ Battery

Unit: (mm)

Features

- NEW** • 3.5" with 320 × 240 CIF resolution
 - 10 / 100Mbps Ethernet with RJ-45 connector
- NEW** • PSE function support (IEEE 802.3af standard)
 - PTZ control / command parse via Ethernet and RS-485 interface
 - Built-in touch panel / keypad
 - High capacity Li-Ion battery
 - UTP cable test
 - NTSC/PAL video in and out / Audio in / Speaker out
 - Major IP cameras and protocols support

Specification

| Item | DT-1 |
|-----------------------------|--|
| Color LCD Field Display | 3.5", 320 × 240 |
| AV | |
| Video Input | BNC × 1 |
| Video Output format | BNC × 1 |
| Video Output Signal | Video Bypass & Color Patterns × 8 |
| PTZ Camera | |
| PTZ Control | RS-485 |
| RS-485 Ports | R+, R-, T+, T- |
| PTZ Camera Setting | Pan, Tilt, Zoom, Manual Focus, Auto Focus |
| Support Protocols | DSCP, Pelco D, Pelco P, AD422, Panasonic C, Panasonic N, JVC, Fastrax2 |
| IP Camera | |
| LAN In | 10/100 Mbps, DC 48V In / Power Bank In |
| LAN Out | 10/100 Mbps, 802.3af standard |
| IP Camera Setting | IP Address Setting, Image Setting |
| Support Brands | DynaColor, ACTi, Axis, IQinVision, Planet, Sanyo, Sony, Vivotek |
| CAT-5 | |
| CAT-5 Port | 1 |
| Operation | |
| Weight with Batteries | 450 g |
| Battery Type | 2 × 3.7 V Li-Ion, 2000mAh |
| Charge Cycle @ 80% capacity | > 300 |
| Charging Time | 3.5 Hrs |
| Operating Time | 3 Hrs |
| Networking | |
| IP Setting | DHCP, Static IP |
| Size | |
| Dimension (W × H × L) | 99 × 38 × 170 mm |
| General | |
| Electronic | Input Voltage DC 12V, 3A |
| Video | Signal Format NTSC / PAL |
| | Video Level 1 Vpp, 140 IRE |
| PTZ Control | Data Communication RS-485 |
| IP Camera | Connection RJ-45 |
| CAT-5 Cable Test | Detects Straight/Cross Cables, Open, Short, Miswire |
| USB | Type USB 2.0 |
| SD Card | Type SDHC supported |
| Audio | Input Line-in |
| | Output Built-in Speaker, Phone Jack Ø3.5 |
| PoE | Bypass / Power Bank Device PoE LAN In (802.3af standard DC 48V in) |

Product specification and availability subject to change without notice. Certain product names mentioned herein may be trade names and / or registered trademarks of their companies.

IP Camera Support List

| Brands | Support Models |
|---------------|--|
| ACTi | ACD-2100, SCD-2200, ACM-4200, AEK-1001B, SED-2120, SED-2120B, ACD-2200 |
| AXIS | 205, 206, 207, 210, 211, 221, 231D, 232D, Q1755, P1311 |
| DynaColor | NH060, NH070, NH101, NH210, NH061, NH071, NH221, NH062, NH102, |
| DIVA Protocol | V1,V2, V6, DH510e, DH610e, DH701e, DH801*e |
| IQinVision | IQ752, IQ511 |
| Planet | ICA-230, ICA-312, IVS-110, ICA-151, ICA-750, ICA-150W, ICA-M220, ICA-107W, ICA-700, P400 |
| Sanyo | VCC-HD4000, VA-20LAN, VA-50LAN, VA-51LAN, VA-80LAN, VA-82LAN |
| Sony | SNC-CM120, SNC-CS20, SNC-DM110, SNC, SNC-DS10, |
| | SNC-DS60SNC-DF85P, SNC-RX570P, SNC-DF40N/P, SNC-RZ25N/P |
| Vivotek | PT7135, IP7137, IP8161 |

Application

DynaGuard™ CMS



Central Management System

Features

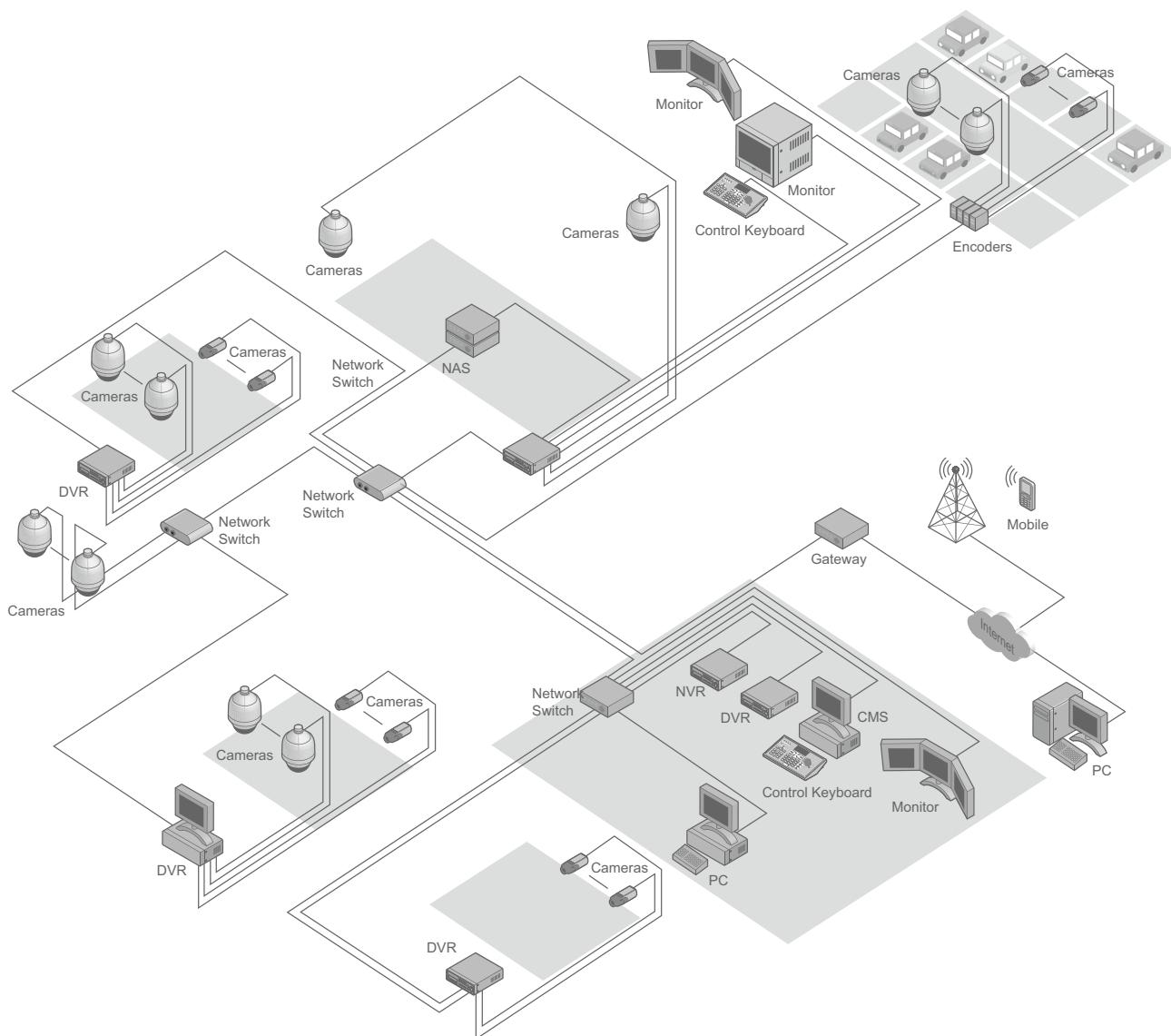
- NEW** • Support CMS Central
- NEW** • Instant DVR and IP camera settings
 - Up to 512 channels viewing
 - eMap management
 - Instant / scheduled recording
 - Remote & local playback
 - Image adjustment of recorded videos
 - Event playback and alert notification
- NEW** • Remote archiving / configuring
- NEW** • Configuration exporting and importing
- NEW** • Digital pan, tilt and zoom & 2-way audio
- NEW** • Analog & IP speed dome control / IP joystick support
- NEW** • User management / lock function
 - HDD status report
 - Multi-language support
- NEW** • Smart motion playback

Specification

| Item | DynaGuard™ CMS |
|-----------------------------|--|
| Input Devices | |
| Camera | NH Series / AXIS 200 Series / Vivotek 7000 Series / ACTi 4200 Series |
| DVR | DG80 II / DG600 II |
| Video Encoder / Dome Camera | DH510e / DH610e / DH701e / DH801*e |
| Video Format | |
| Video Channels | Up to 64CH |
| Video Compression | H.264 / MJPEG / MPEG-4 |
| Resolution | Up to 2048 × 1536 |
| Recording | |
| Instant Recording | Manually start / stop recording |
| Scheduled Recording | Scheduled time frame for recording |
| Audio | |
| Recording w/ audio | Supports instant recording w/ audio |
| Live w/ audio | Supports live display w/ audio |
| Two-way audio | Bidirectional audio transmission |
| Monitoring | |
| Live Monitoring | Different viewing modes / Full screen / Sequence |
| Remote Playback | Playback recorded videos remotely |
| Local Playback | Playback recorded videos on PC |
| Snapshot | Still image |
| Dome Camera Control | Multiple dome camera control protocols |
| Image Adjustment | Brightness, Saturation, Hue, Contrast |
| Event | |
| Playback | Select and playback events from the event list |
| Remote Archiving | Select and archive events from the event list |
| Search | All events will be listed by time |
| Notification | Event full screen / Alert notification |
| System Requirement | |
| Operation System | Windows XP, Windows Vista, Windows 7 |
| CPU | Pentium 4, 2.0 GHz or above |
| Memory | 1 GB or above |

Product specification and availability subject to change without notice. Certain product names mentioned herein may be trade names and / or registered trademarks of their companies.

System Diagram



Service & Support

DynaColor designs and manufactures video surveillance products and CRT / LCD AOI system, and dedicates itself to be an "image solution provider".

Downloads

<http://www.dynacolor.com.tw/english/Download.asp>

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■ H.264 Hybrid DVR

■ Megapixel IP Camera

■ High Speed Dome Camera

■ Application

■ System Diagram



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