Digital Surveillance System
Dome Camera

- DynaColor 2007 Dome Camera Series Catalogue -

- High Speed Dome
- High Speed Dome
- High Speed Dome
- High Speed Dome

DYNACOLOR
always watching

About DynaColor

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

CCTV Solution Provider

DynaColor designs and manufactures CCTV video surveillance products, including speed dome cameras, digital video recorders (DVRs), multiplexers, remote software interface, and control keyboards. These products are used in various locations, including retail stores, government offices, schools, city halls, airports, military bases, prisons, parks, streets, banks, shopping malls, stadiums, and a wide range of other medium and high security applications.

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

A Reputation of Quality

DynaColor has established an excellent reputation not only in CCTV security 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 15 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 CCTV 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.

Icon	Feature
AUTO Calibration	Auto Calibration
Schedule	Schedule
WDR	Wide Dynamic Range
Protocols	Protocols
Privacy	Privacy
All-Weather	All-Weather
Network	Network

▸ Speed Dome Camera Solutions

Integrated High Speed Dome Camera

Dyna**Hawk**™ 701…4~9

Dyna**Hawk**™ 801⁺…4~9

Vandal Proof Mini Speed Dome Camera

Dyna**Hawk**™ 500…10~15

Dyna**Hawk**™ 600…10~15

▸ Vandal Proof Dome

Vandal Proof Dome Camera

Dyna**Hawk**™ 210…26~27

▸ Box Camera

Color Box Camera

Dyna**Hawk**™ 060…28~29

▸ Board Camera

Color CCD Board Camera

Dyna**Hawk**™ 005…30~31

Dyna**Hawk**™ 006…30~31

Speed Dome Accessories…16~19

CCTV Control Keyboard…20~21

Signal Distribution Unit…22~23

Coaxial Telemetry…24~25

Integrated High Speed Dome Camera

Features

Precise and Accurate Dome 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 Image Flip (Optional)

Dynamic Dome Applications

- Multi-language OSD
- Schedule function
- Multiple built-in Protocols **NEW**
- Up to 24 masking zones (Optional)
- 8 alarm inputs, 1 alarm output
- Motion Detection (Optional) **NEW**
- Flexible indoor/outdoor mountings
- Compact lightweight design for easy installation
- Weather resistant housing
- All-in-one type

Superior Camera Image Quality

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

AUTO Calibration | Schedule | 400° Speed | Day/Night | WDR | DVR Protocols | Privacy | All-Weather

DynaHawk™ 701/801⁺ Series

The DynaHawk™ 701/801⁺ series integrated high speed dome cameras, built on quality and performance, are now available with 35x optical zoom, high resolution 540 TV lines, and advanced features. These dependable high speed dome cameras are not only part of a complete DynaColor surveillance solution, they also support other key global surveillance systems for effortless integration. Blending performance and compatibility, the DynaHawk™ 701/801⁺ series is a versatile surveillance solution for indoor/outdoor and day/night applications.

System Configuration

Flexible Scalability

Comprising a myriad of models, there is a DynaHawk™ Integrated High Speed Dome Camera for every surveillance application. Encompassing models equipped with optical zoom ratio ranging from 18x to 35x, and different options for resolutions, rotation performance, indoor, outdoor, day or night, the DynaHawk™ 701/801⁺ series provides a top to bottom solution for all types of surveillance applications and scalability for installation experts.

## Indoor integrated High Speed Dome Camera

The DynaHawk™ 701 series Integrated High Speed Dome Camera will fulfill your large scale surveillance operations. With features such as digital image flip and high resolution silent motor, the DynaHawk™ 701 offers easy controls and precision tracking. The DynaHawk™ 701 can be integrated into any existing CCTV surveillance system because of built-in major protocols such as DynaColor, Pelco, VCL, Philips, Kalatel, AD-422, and more.
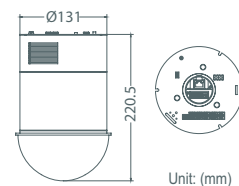
Outdoor Integrated High Speed Dome Camera

The DynaHawk™ 801⁺ series is a compact lightweight design high speed dome camera that includes a weather resistant housing which meets IP66 international standards and can withstand the toughest environment. Additionally, with built-in heater and fan, the DynaHawk™ 801⁺ is capable of operating at temperatures ranging from -45°C to 50°C making it the best choice for extreme weathers. With a full line of accessories, the DynaHawk™ 801⁺ series is capable of accommodating any indoor and outdoor installation requirements.


Ø131
220.5
Unit: (mm)

DH701

Ø44.5
27
302.5
Ø190
Unit: (mm)
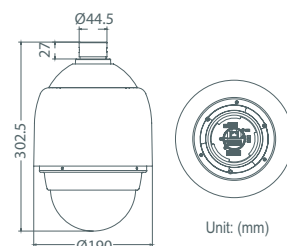
DH801⁺

Robust Performance

The DynaHawk™ 701/801⁺ series contains robust functions such as Schedule and Home function. The Schedule and Home functions can be customized for various types of surveillance needs, enabling the camera to operate automatically and reducing user input for a more efficient surveillance solution. In addition, the DynaHawk™ 701/801⁺ series is capable of self correction through Auto Calibration if the dome head is disturbed by external forces.

Digital Image Flip

The Digital Image Flip function can reverse the image through the digital processing without interruption while tracking the object passes directly beneath the dome. This advanced function enables smooth and continuous tracking.


Camera image on the monitor

Tilt 180° Continuously

Position of object
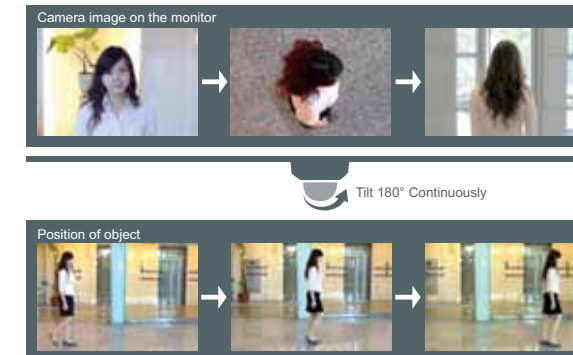
Auto Calibration

The DynaHawk™ 701/801⁺ series is capable of self correction if the dome head is disturbed by external forces. The camera will constantly align itself against vertical and horizontal check points to maintain accurate operation.

Image Inverse

The Image Inverse feature enables the integrated high speed dome to inverse video image both vertically and horizontally. This feature allows the dome camera to be used as a conference camera on the desktop.

Image Inverse (OFF)   Image Inverse (ON)
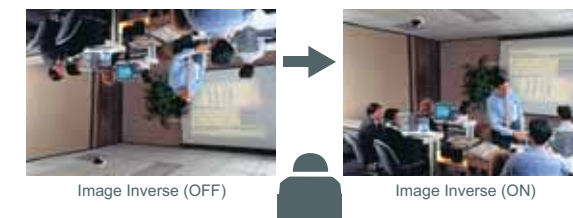
Motion Detection

With the Motion Detection function, as the speed dome camera detects any image changes via motion or intrusion within its visual range, it triggers alarm output for warning. In order to satisfy various light condition, there are multiple detection modes ensuring maximum detection and accurate reactions.

Home Function

The DynaHawk™ 701/801⁺ series can be setup to execute a variety of functions if left idle for a period of time. These functions include: Preset Positions, Sequence, Auto Pan, and Cruise. The user can also configure the camera's idle time before automatically running these functions. The Home function will ensure persistent and accurate monitoring for constant surveillance, preventing missed events and minimizing user manipulation.

Automatically return to Preset, Sequence, Auto Pan or Cruise

Schedule Function

The Schedule function enables users to program the dome camera to carry out a function – Preset Position, Sequence, Auto Pan, or Cruise – at a specified time of the day, enabling users to customize their dome camera behavior to meet their need.

Automatically execute Preset, Sequence, Auto Pan or Cruise

Superior Image Quality

The DynaHawk™ 701/801⁺ series is equipped with many advanced image processing features that reduce distortion caused by environmental factors and deliver superior video quality. With the internal image stabilizer, the speed dome cameras can eliminate environmental vibration and deliver sharp and smooth image. In complex light condition, the DynaHawk™ 701/801⁺ series high speed dome camera excels with the Wide Dynamic Range function and guarantees all the details of captured image. The Day/Night function and Digital Slow Shutter function are designed to enhance low-light image detail, perfect for 24-hours surveillance applications.

35X zoom

Image Stabilizer

With the Image Stabilizer Function, the high speed dome camera can capture images that would otherwise be blurred due to the vibration. The built-in electronic compensation filters out the vibrations of up to 80% movement at 10Hz, as caused by wind or other environmental conditions.

Without Image Stabilization → With Image Stabilization

Wide Dynamic Range (WDR) Function

The Wide Dynamic Range (WDR) function is especially effective in environment with extreme contrast. The WDR function records images at different shutter speeds, and digitally combines the images to prevent over- or under-exposed picture.
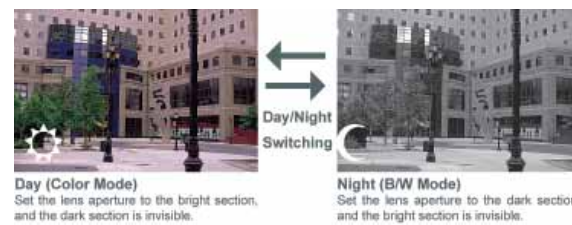
High-speed Shutter Image (Progressive)
Normal Exposure Image (Progressive)
Composite Image by Wide Dynamic Range Technology

Privacy Masking Function

Allows users to mask selected areas to avoid any intrusive monitoring.

Day/Night Function with removable IR Cut Filter

The IR Cut Filter can be automatically or manually removed depending on the light condition, enabling the camera to capture color video in light condition and black-and-white video in low light condition.

Day (Color Mode)
Set the lens aperture to the bright section, and the dark section is invisible.
Night (B/W Mode)
Set the lens aperture to the dark section, and the bright section is invisible.
Day/Night Switching

Technical Specifications

Item		R Model	C Model	F Model	K Model	U Model	L Model
Camera							
CCD Sensor		1/4" CCD	1/4" Super HAD CCD	1/4" EXview CCD	1/4" CCD	1/4" EXview CCD	1/4" CCD
Progressive Scan		-	-	-	Yes	-	Yes
Optical Zoom Ratio		22x	18x	18x	23x	26x	35x
Digital Zoom		1x ~ 12x variable					
Effective Pixels	NTSC	380 k					
	PAL	440 k					
Horizontal Resolution	NTSC	480 TVL					540 TVL
	PAL	480 TVL					540 TVL
Scanning System		PAL, NTSC					
Synchronization		Internal / Line Lock					
Video Output		1.0 Vpp / 75 ohm, BNC					
S/N Ratio		>50 dB (AGC Off)					
Minimum Illumination		1 lux	1 lux	0.1 lux,0.01 lux (B/W)	0.1 lux, 0.01 lux (B/W)	0.07 lux, 0.01 lux (B/W)	0.05 lux, 0.01 lux (B/W)
Focal Length		4 ~ 88 mm	4.1 ~ 73.8 mm	4.1 ~ 73.8 mm	3.6 ~ 82.8 mm	3.5 ~ 91 mm	3.4 ~ 119 mm
Focus Mode		Auto / Manual					
White Balance		Auto / Manual					
Iris Control		Auto / Manual					
Electronic Shutter	NTSC	1/60 ~ 1/30k sec.	1/60 ~ 1/10k sec.	1/1 ~ 1/10k sec.	1/2 ~ 1/30k sec.	1/1 ~ 1/10k sec.	1/2 ~ 1/30k sec.
	PAL	1/50 ~ 1/30k sec.	1/50 ~ 1/10k sec	1/1 ~ 1/10k sec	1/1.5 ~ 1/30k sec.	1/1 ~ 1/10k sec.	1/1.5 ~ 1/30k sec.
AGC Control		Auto / Manual					
Back Light Compensation		On / Off					
Operation							
Built-in Protocol		DynaColor, Pelco D&P, Philips, Kalatel, VCL, AD-422, JVC, etc.					
Multi-language OSD		English, French, German, Italian, Japanese, Polish, Portuguese, Russian, Spanish					
Pan Travel		360°endless					
Tilt Travel		-10° ~ 100°		-10° ~ 190°			
Manual Speed		1° ~ 90°/s					
Presets		256					
Preset Accuracy**	Pan	0.225°					
	Tilt	0.225°					
Preset Speed	Pan	5° ~ 400°/s					
	Tilt	5° ~ 400°/s					
Cruise		1					
Sequence		8					
Auto Pan		4					
Privacy Mask		-	24	24	8	24	8
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		Mechanical / Off		Digital / Mechanical / Off			
Digital Slow Shutter		-	-	On / Off	On / Off	On / Off	On / Off
Electronic Image Stabilizer		-	-	-	-	-	On / Off
Motion Detection		-	On / Off	On / Off	-	On / Off	On / Off
Wide Dynamic Range		-	-	-	On / Off	-	On / Off
Day/Night: IR Cut Filter		-	-	On / Off	On / Off	On / Off	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		Indoor: 0°C ~ 40°C (32°F ~ 104°F)　Outdoor: -45°C ~ 50°C (-49°F ~ 122°F)					
Water Proof Standard		IP 66 Standard (DH801⁺ series only)					
Dimension	DH701	131 x 226 mm (5.2 x 8.9 Inches)					
	DH801⁺	Ø172 x 302.5 mm (6.7 x 11.9 Inches), with Sunshield 190 x 302.5 mm (7.5 x 11.9 Inches)					
Weight	DH701	1.6 kg (3.5 lbs)					
	DH801⁺	6 kg (13.2 lbs)					
Power Source	DH701	DC12 / AC 24 V					
	DH801⁺	AC 24 V					
Power Consumption	DH701	20 W					
	DH801⁺	65 W (with Heater)					
Regulatory		CE, FCC, RoHS					

Product Selection

DH701 - ☐☐☐☐☐☐☐
DH801⁺- ☐☐☐☐☐☐☐☐

Interface	Camera	**Motor	Video System	Body Color	Cover Color	Schedule	Sunshield	Power
0: Analog	R: 22x	D: Standard	N: NTSC	W: White	T: Transparent	0: w/o Schedule	0: w/o Sunshield	1: 12VDC
e: Ethernet	C: 18x	E: High-Resolution	P: PAL		S: Smoke	1: w/Schedule	1: w/Sunshield	2: 24VAC
	F: 18x, ICR				V: Vandal Proof			
	K: 23x, ICR							
	U: 26x, ICR							
	L: 35x, ICR							

MKPB-DOME-PC-0703-EN01-LS

‣Vandal Proof Mini Speed Dome Camera

Features

Precise and Accurate Dome Performance

• Preset speed up to 300°/sec.

• Preset accuracy of 0.5°

• 720° pan rotation with Auto Flip Back

• Proportional Pan & Tilt Speed

• Preset Positions/Auto Pan/Sequence/Cruise

• Auto Calibration

• Automatic Mechanical Image Flip (180°)

Dynamic Dome Applications

• Schedule Function **NEW**

• Multiple built-in Protocols

• Extraordinary lightweight design for easy installation

• Vandal proof dome cover

• Weather resistant housing (DynaHawk™ 600 series)

• Flexible indoor/outdoor mountings

Superior Camera Image Quality

• 12x (Optical Zoom) expandable to 18x

• 10x (Digital Zoom)

• Backlight Compensation

• Auto Focus

• Auto White Balance

• Auto Gain Control

• Auto Iris Control

• Auto Calibration

• Removable IR Cut Filter (Optional) **NEW**

• Minimum Illumination: 1 lux, 0 lux (IR illuminator)

DynaHawk™ 500/600 Series

The DynaHawk™ 500/600 vandal proof mini speed dome camera series is a new member to the DynaHawk™ family, incorporating many well-known features from High Speed Dome Camera Series, such as multiple built-in protocols, Schedule and Home function. The DynaHawk™ 500/600 series is an affordable compact speed dome camera, delivering uncompromised functionality and performance at a competitive price.

System Configuration

Proportional Pan & Tilt Speed

The pan and tilt speed is proportional to the optical zoom ratio of the camera; when the camera is zoomed in, the panning speed will be slowed to improve camera tracking and controllability. This feature will prevent losing sight of the subject when the camera zooms in.

Mechanical Image Flip

The Mechanical Image Flip function can reverse the image by rotating the dome body horizontally 180 degrees to track the subject as it passes directly beneath the dome. This automatic function will eliminate blind spots under the camera and improves user control.

Auto Flip Back

The DynaHawk™ 500/600 series supports 720 degrees pan and 110 degrees tilt. As the dome camera pans to its end point, it will automatically turn 360 degrees back and then keep tracking object continuously. Therefore, users do not have to turn the dome back manually, and experience smooth continuous object tracking capability.

## Indoor Vandal Proof Mini Speed Dome

The DynaHawk™ 500 is the ideal economical surveillance solution for vandal-proof applications. This compact and feature-rich mini speed dome camera offers superb video performance. With die-cast aluminum construction dome housing design, the DynaHawk™ 500 protects the camera in vandal prone environment.

Backlight Compensation (BLC)

A bright background or shade can result in the subject of the image appearing darkened. The backlight compensation mode gives you a bright and beautiful image.

Backlight Compensation Off → Backlight Compensation On
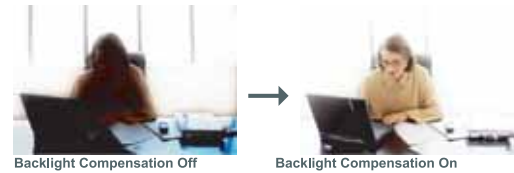
Flexible Mounting Options

The DynaHawk™ 500/600 series shares the same mounting accessories as the DynaHawk™ 701/801⁺ series. Existing accessories include pendent mounting, wall mounting, ceiling mounting, and flush mounting.

Outdoor Vandal Proof Mini Speed Dome

With its weather resistant housing (IP66 compliant) and sunshield, the DynaHawk™ 600 series is ready for demanding outdoor application. Building on top of the extensive features of the DynaHawk™ 500, the DynaHawk™ 600 also includes IR Cut Filter for night time surveillance or low light condition. Its compact profile and easy installation makes it the perfect choice for outdoor surveillance operation.

DH500

DH600

Technical Specifications

Item		DH500	DH600
Camera			
CCD Sensor		1/4" Super HAD CCD	1/4" EXview CCD
Optical Zoom		12x	12x
Digital Zoom		1x ~ 10x variable	
Effective Pixels	NTSC	380 k	
	PAL	440 k	
Horizontal Resolution		470 TVL	
Scanning System		NTSC / PAL	
Synchronization		Internal	
Video Output		1.0 Vp-p / 75 Ω, BNC	
Minimum Illumination		1 lux; 0 lux (IR illuminator)	
Focal Length		4 ~ 48 mm	
Focus Mode		Auto / Manual	
White Balance		Auto / Manual	
Iris Control		Auto / Manual	
Electronic Shutter	NTSC	1/60 ~ 1/10k sec.	
	PAL	1/50 ~ 1/10k sec	
AGC Control		Auto / Manual	
Back Light Compensation		On / Off	
Operation			
Built-in Protocol		DynaColor, Pelco D&P, VCL, Philips, AD-422, JVC, etc.	
Pan Travel		720°	
Tilt Travel		-10° ~ 100°	
Manual Speed		0.5° ~ 55°/s	
Presets		256	
Preset Accuracy	Pan	0.225°	
	Tilt	0.5°	
Preset Speed	Pan	5° ~ 300°/s	
	Tilt	5° ~ 300°/s	
Cruise		1	
Sequence		8	
Auto Pan		4	
Proportional Pan & Tilt		On/Off (Pan and tilt speeds proportional to zoom ratio)	
Resume after Power loss		Yes	
Zone Title		16	
Home Function		Preset, Sequence, Auto pan, Cruise	
Auto Flip		Mechanical / Off	
Day/Night: IR Cut Filter		On / Off	
Alarm Input		8	
Alarm Output		1	
Alarm Reaction		Preset, Sequence, Auto pan, Cruise	
General			
Environment		Indoor	Outdoor
Controller Interface		RS-485	RS-485
Operating Temperature		0°C ~ 40°C (32 °F ~ 104 °F)	-30 °C ~ 45 °C (-22 °F ~ 113 °F)
Weather Proof Standard		-	IP 66 Standard
Dimension		Ø133 x 173 mm (5.2 x 6.8 Inches)	Ø172x260 mm (6.8x10.2 Inches) / Ø190x260 mm (7.5x10.2 Inches), w/ sunshield
Weight		1.2 kg (2.6 lbs)	2.1 kg (4.6 lbs)
Power Source		DC 12V / AC 24V	AC 24 V
Power Consumption		14 W	52 W (with Heater)
Regulatory		CE, FCC, RoHS	

Product Selection

DH500- ☐☐☐☐☐☐☐☐
DH600- ☐☐☐☐☐☐☐☐

Interface	Camera	Motor	Video System	Body Color	Cover Color	Schedule	Sunshield	Power
0: Analog	**A:** 12x	**F:** Standard	**N:** NTSC	**W:** White	**T:** Transparent	**0:** w/o Schedule	**0:** w/o Sunshield	**1:** 12VDC
e: Ethernet	**B:** 12x & D/N	**G:** High-Resolution	**P:** PAL		**S:** Smoke	**1:** w/Schedule	**1:** w/Sunshield	**2:** 24VAC
					V: Vandal Proof			

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DynaHawk™ Dome Camera Series

▶Integrated High Speed Dome Camera ▶Vandal Proof Mini Speed Dome Camera ▶Speed Dome Accessories ▶CCTV Control Keyboard ▶Signal Distribution Unit ▶Coaxial Telemetry ▶Vandal Proof Dome Camera ▶Color Box Camera ▶Color CCD Board Camera

DynaHawk™ Family Features

Comprehensive System Compatibility

The DynaHawk™ 500/600/701/801⁺ speed dome camera series supports all major protocols – Pelco, Philips, AD, VCL, and more. With our enhanced compatibility, the DynaHawk™ speed dome cameras can be seamlessly integrated into any existing surveillance system.

Common Installation Accessories

Installation accessories, such as the Coaxial Telemetry and Signal Distributor, are designed to offer even more flexibility to the users whether for all coaxial system or for large installation over wide area. And our mounting accessories provide quick and elegant setup that is inconspicuous and durable.

Multi-Language OSD

The dome camera supports multi-language OSD operation; the available languages include English, French, German, Italian, Japanese, Polish, Portuguese, Russian and Spanish.

Alarm Triggered Functions

The DynaHawk™ speed dome cameras can be configured to execute pre-determined functions automatically when an alarm is triggered. There are a total of 8 alarm inputs that can be set to initiate different functions. Similarly, the Motion Detection function can also trigger pre-determined functions when motion is detected.

Normal
Event
Alarm Reaction
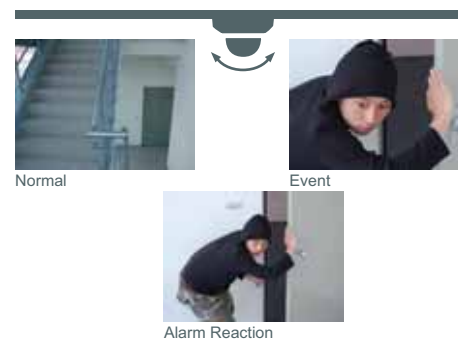
Firmware Upgrade via RS-232

With the newly integrated upgrade connector, the dome camera firmware can be upgraded instantly via RS-232 connection. This feature will allow easy support even after installation.

Application

Stores and Banks

Users can simply configure the DynaHawk™ speed dome camera to execute different functions in different time period and circumstances with its schedule function. For Banks or Stores, it is more appropriate to configure the speed dome to execute a Sequence line or Auto-Pan function to capture important points or a broad view during day time.

During the night time, the speed dome camera can be set to focus on the entrance and trigger alarm as it detects motion. The DynaHawk™ series can also integrate with other security system with its alarm inputs. As other security devices are triggered, the speed dome camera will receive the signal and execute pre-determined function. The DynaHawk™ speed dome camera series will satisfy all your surveillance needs with robust and flexible functions.

Airport

Equipped with 35x optical zoom ratio, the DynaHawk™ 701/801⁺ series can cover a wide area with ease. It allows users to view ultra high resolution images at 540 TV lines capturing minute detail. By configuring the Alarm functions, the DynaHawk™ 701/801⁺ series will automatically zoom in on sensitive areas when an access alarm is triggered. The high resolution, high zoom ratio DynaHawk™ 701/801⁺ series provides the performance and convenience for wide area surveillance.

Indoor Model Feature Comparison

Features		DynaHawk™ 701						DynaHawk™ 500
		L (NEW)	U	K	R	F	C	
Camera	Optical Zoom	35x	26x	23x	22x	18x	18x	12x
	Digital Zoom	12x	12x	12x	12x	12x	12x	10x
	Resolution	540 TVL	480 TVL	480 TVL	480 TVL	480 TVL	480 TVL	470 TVL
	Day/Night (ICR)	■	■	■	-	■	-	□
	Wide Dynamic Range	■	-	■	-	-	-	-
	Motion Detection	■	■	-	-	■	■	-
	Digital Image Flip	■	■	■	-	■	-	-
	Electronic Image Stabilizer	■	-	-	-	-	-	-
Operation	Endless Pan Rotation	■	■	■	■	■	■	720° Continuously
	Preset Positions	256	256	256	256	256	256	256
	Sequence Lines	8	8	8	8	8	8	8
	Auto Pan	4	4	4	4	4	4	4
	Cruise	1	1	1	1	1	1	1
	Privacy Mask	8	24	8	-	24	24	-
	Schedule Function	□	□	□	□	□	□	□
	Home Function	■	■	■	■	■	■	■
	Multi-language OSD	■	■	■	■	■	■	□
	Multiple Protocols	■	■	■	■	■	■	■
	Resume after Power Loss	■	■	■	■	■	■	■
	Proportional Pan & Tilt	■	■	■	■	■	■	■
Option	Vandal Proof Cover	□	□	□	□	□	□	□
Outdoor Dome	Built-in Heater	■	■	■	■	■	■	■
	Weather Resistant Housing (IP66)	■	■	■	■	■	■	■
	Sunshield Housing	□	□	□	□	□	□	□

■ : Support □ : Option - : Not Support

Outdoor Model Feature Comparison

Features		DynaHawk™ 801⁺						DynaHawk™ 600
		L (NEW)	U	K	R	F	C	
Camera	Optical Zoom	35x	26x	23x	22x	18x	18x	12x
	Digital Zoom	12x	12x	12x	12x	12x	12x	10x
	Resolution	540 TVL	480 TVL	480 TVL	480 TVL	480 TVL	480 TVL	470 TVL
	Day/Night (ICR)	■	■	■	-	■	-	□
	Wide Dynamic Range	■	-	■	-	-	-	-
	Motion Detection	■	■	-	-	■	■	-
	Digital Image Flip	■	■	■	-	■	-	-
	Electronic Image Stabilizer	■	-	-	-	-	-	-
Operation	Endless Pan Rotation	■	■	■	■	■	■	720° Continuously
	Preset Positions	256	256	256	256	256	256	256
	Sequence Lines	8	8	8	8	8	8	8
	Auto Pan	4	4	4	4	4	4	4
	Cruise	1	1	1	1	1	1	1
	Privacy Mask	8	24	8	-	24	24	-
	Schedule Function	□	□	□	□	□	□	□
	Home Function	■	■	■	■	■	■	■
	Multi-language OSD	■	■	■	■	■	■	■
	Multiple Protocols	■	■	■	■	■	■	■
	Resume after Power Loss	■	■	■	■	■	■	■
	Proportional Pan & Tilt	■	■	■	■	■	■	■
Option	Vandal Proof Cover	□	□	□	□	□	□	□
Outdoor Dome	Built-in Heater	■	■	■	■	■	■	■
	Weather Resistant Housing (IP66)	■	■	■	■	■	■	■
	Sunshield Housing	□	□	□	□	□	□	□

■ : Support □ : Option - : Not Support

MKPB-DOME-PC-0703-EN01-LS

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Speed Dome Installation Accessories

Integrated High Speed Dome Camera | Vandal Proof Mini Speed Dome Camera | Speed Dome Accessories | CCTV Control Keyboard | Signal Distribution Unit | Coaxial Telemetry | Vandal Proof Dome Camera | Color Box Camera | Color CCD Board Camera

Speed Dome Installation Accessories

DynaHawk™ Installation Accessories

The DynaHawk™ speed dome camera series offers a wide range of accessories to facilitate all surveillance installations, including various indoor and outdoor mountings, special optical covers to match and complement the surroundings, and power supplies for different voltage requirements.

The DynaHawk™ speed dome camera series is deisgned with various mounting options. Users can select the most suitable accessories to complete the installation depending on the camera mounting requirements. With various types and sizes of accessories, users can mount the camera in virtually any environment.

Indoor Dome Accessories

Transparent / Vandal Proof Cover

4.3" Optical Cover
Diameter: 109 mm (4.3 inches)
Compatible with: DH500

5.4" Optical Cover
Diameter: 137 mm (5.4 inches)
Compatible with: DH701

Smoke Cover

5.4" Smoke Cover
Diameter: 137 mm (5.4 inches)
Compatible with: DH701

Power Adapter

D77H07-A1015
Input: 100~115VAC / Output: 24VAC 36VA

D77H07-A2015
Input: 220~230VAC / Output: 24VAC 36VA

Connector Box

The D77H07-C00 connector box provides easy wiring and well organized connection between alarms, cameras and other devices, for easy installation.

Dimension: 92×42 mm (3.7×1.7 inches)
Weight: 0.13 kg (0.3 lbs)

System Configuration
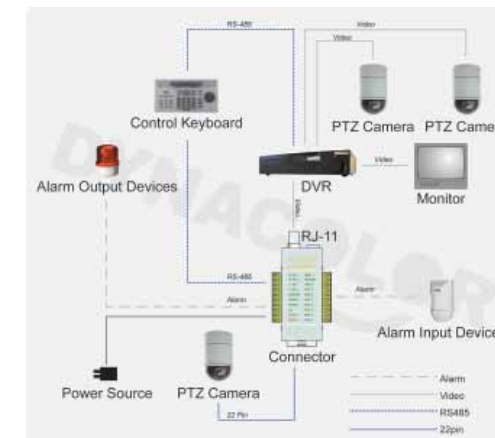
Outdoor Dome Accessories

Transparent / Vandal Proof Cover

5.4" Optical Cover
Diameter: 137 mm (5.4 inches)
Compatible with: DH600

5.8" Optical Cover
Diameter: 147 mm (5.8 inches)
Compatible with: DH801⁺

Smoke Cover

5.4" Smoke Cover
Diameter: 137 mm (5.4 inches)
Compatible with: DH600

5.8" Smoke Cover
Diameter: 147 mm (5.8 inches)
Compatible with: DH801⁺

Power Adapter

D77H07-A1030
Input: 100~115VAC / Output: 24VAC 72VA

D77H07-A2030
Input: 220~230VAC / Output: 24VAC 72VA

Sunshield

Height: 89.9 mm (3.5 inches)
Diameter: 190 mm (7.5 inches)
Compatible with: DH600

Height: 129.5 mm (5.0 inches)
Diameter: 190 mm (7.5 inches)
Compatible with: DH801⁺

Power Box

The D77H07 is an power supply, with integrated connection for communication and alarm, designed for outdoor applications with the DynaHawk™ speed dome camera, providing water resistent protection. The unit has one fused output and can handle a total load of 72 VA.

Dimension: 186.5×147 mm (7.3×5.8 inches)
Weight: 2.6 kg (5.8 lbs)
D77H07-P1030 (Input: 110~115VAC / Output: 24VAC 72VA)
D77H07-P2030 (Input: 220~230VAC / Output: 24VAC 72VA)

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Speed Dome Installation Accessories

Integrated High Speed Dome Camera | Vandal Proof Mini Speed Dome Camera | Speed Dome Accessories | CCTV Control Keyboard | Signal Distribution Unit | Coaxial Telemetry | Vandal Proof Dome Camera | Color Box Camera | Color CCD Board Camera

Indoor Mounting Accessories

There are three types of Indoor dome camera mounting methods: hard-ceiling mounting, in-ceiling mountings, and pendent mounting. With the Indoor Mounting Kit, the Dyna**Hawk**™ 701 series will be able to apply to all other dome camera mounting accessories, such as straight tube, wall mount, corner mount and pole mount.

Hard Ceiling Mount: DH701

DH77H06-HC
Height: 21.4 mm (0.8 inches)
Diameter of the three holes: 4.5mm (0.2 inches)
Diameter of the bracket: 158mm (6.2 inches)
Weight: 0.2 kg (0.4 lbs)
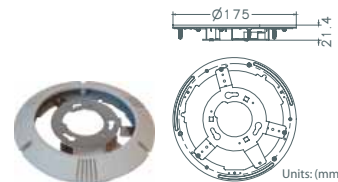
Hard Ceiling Mount : DH500

DH500HC
Height: 19 mm (0.75 inches)
Diameter of the three holes: 4.5mm (0.2 inches)
Diameter of the bracket: 158mm (6.2 inches)
Weight: 0.2 kg (0.4 lbs)
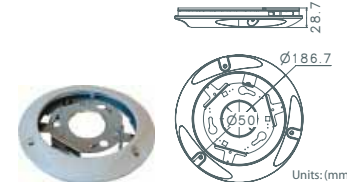
T-Bar Ceiling Mount: DH701

D77H06-TB
Height: 160 mm (6.3 inches)
Diameter: 180 mm (7.1 inches)
Weight: 0.5 kg (1.1 lbs)
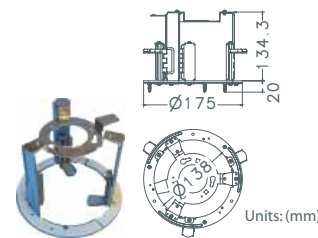
T-Bar Ceiling Mount: DH500

DH500TB1
Height: 85 mm (3.4 inches)
Diameter: 180 mm (7.1 inches)
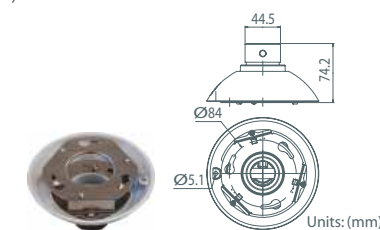Weight: 0.5 kg (1.1 lbs)
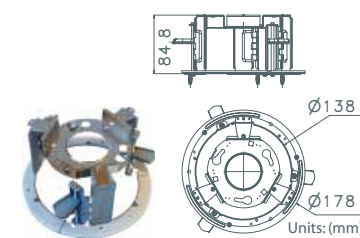
Indoor Mount Kit: DH701

D77H05-IMK
For mounting indoor dome camera onto a gooseneck/straight tube.
Height: 74 mm (2.9 inches)
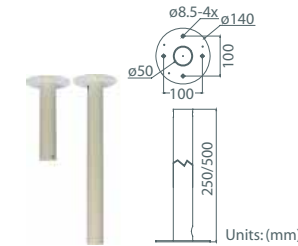Diameter: 140 mm (5.5 inches)
Weight: 0.5 kg (1.1 lbs)
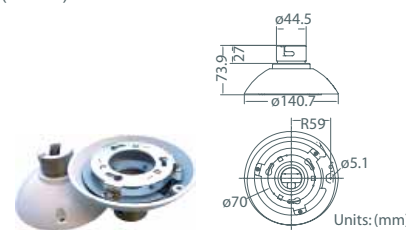
Indoor Mount Kit: DH500

D77H05-IMK5
For mounting indoor dome camera onto a gooseneck/straight tube.
Height: 74 mm (2.9 inches)
Diameter: 140 mm (5.5 inches)
Weight: 0.5 kg (1.1 lbs)

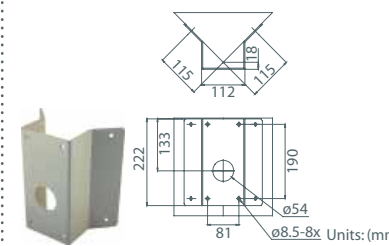# Indoor/Outdoor Mounting Accessories

Straight Tube

D77H03-ST1/ST2
Height: 250/500 mm (9.8/19.7 inches)
Diameter: 50 mm (2 inches)
Weight: 1 kg/1.8kg (2.2 lbs/4 lbs)
Compatible with: DH701/DH801+/DH500/DH600

Gooseneck Tube

D77H03-GT
Dimension: 298×385 mm (11.7×15.2 inches)
Diameter: 92×42 mm (3.7×1.7 inches)
Weight: 2.1 kg (4.6 lbs)
Compatible with: DH701/DH801+/DH500/DH600

Mini Pendent Mount

D77H03-MP
Dimension: 184×104×115.2 mm (7.2×4.1×4.5 inches)
Diameter: 44.5 mm (1.8 inches)
Weight: 0.6 kg (1.3 lbs)
Compatible with: DH701/DH801+/DH500/DH600

Wall Box Mounting

D77H05-WBM
Dimension: 270×166×95 mm (10.6×6.5×3.7 inches)
Weight: 2.2 kg (4.8 lbs)
Compatible with: D77H03-GT/D77H03-MP

Corner Standard Mounting Plate

D77H05-CST
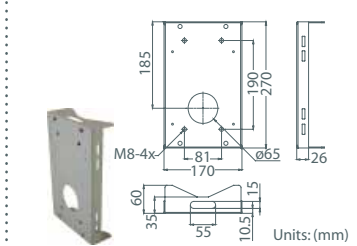Dimension: 222×204×117 mm (8.7×8×4.6 inches)
Weight: 2 kg (4.4 lbs)
Compatible with: D77H03-GT/D77H03-MP

Corner Plate Mini

D77H05-CSTM
Dimension: 270×166×95 (10.6×6.5×3.7 inches)
Weight: 0.8 kg (1.8 lbs)
Compatible with: D77H03-MP

Corner Wide Box Mounting

D77H05-CWB
Dimension: 232×234×205 mm (9.1×9.2×8.1 inches)
Weight: 2.7 kg (6 lbs)
Compatible with: D77H03-GT/D77H03-MP

Corner Thin Box

D77H05-CTB
Dimension: 300×164×254 mm (11.8×6.5×10 inches)
Weight: 3 kg (6.7 lbs)
Compatible with: D77H03-GT/D77H03-MP

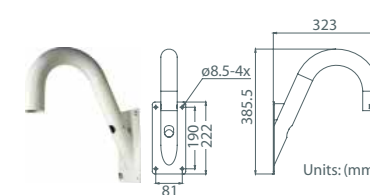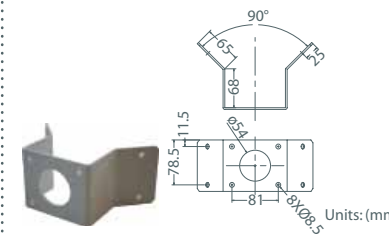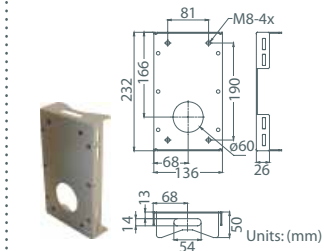## Pole Wide Direct Mounting

D77H05-PWD
Dimension: 270×170×60 mm (10.6×6.7×2.4 inches)
Recommend Pole Diameter: 112~130 mm (4.4~5 inches)
Weight: 1 kg (2.2 lbs)
Compatible with: D77H03-GT/D77H03-MP

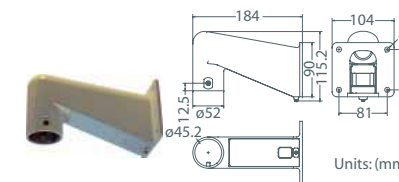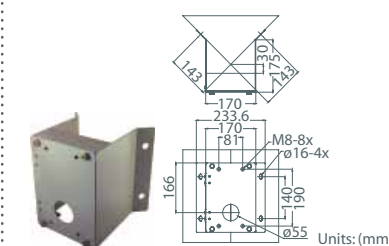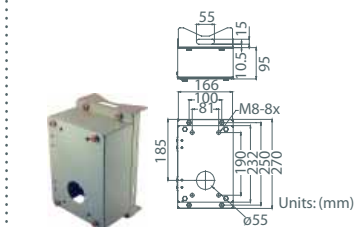## Pole Thin Direct Mounting

D77H05-PTD
Dimension: 232×136×50×mm (9.1×5.4×2 inches)
Recommend Pole Diameter: 112~140 mm (4.4~5.5 inches)
Weight: 0.7 kg (1.6 lbs)
Compatible with: D77H03-GT/D77H03-MP

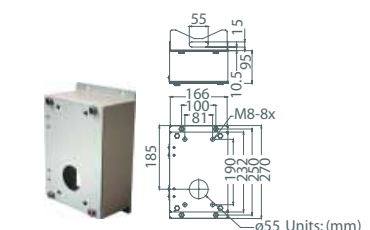## Pole Wide Box Mounting

D77H05-PWB
270×166×155 mm (10.6×6.5×6.1 inches)
Recommend Pole Diameter: 112~140 mm (4.4~5.5 inches)
Weight: 3.2 kg (7.1 lbs)
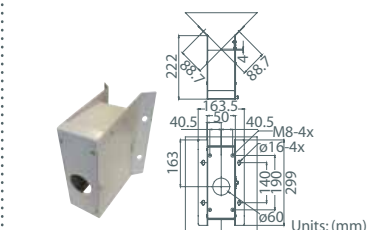Compatible with: D77H03-GT/D77H03-MP

Pole Thin Box Mounting

D77H05-PTB
Dimension: 291×136×242 mm (11.5×5.4×9.5 inches)
Recommend Pole Diameter: 112~130 mm (4.4~5 inches)
Weight: 3.1 kg (6.9 lbs)
Compatible with: D77H03-GT/D77H03-MP

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D7313

Integrated High Speed Dome Camera | Vandal Proof Mini Speed Dome Camera | Speed Dome Accessories | CCTV Control Keyboard | Signal Distribution Unit | Coaxial Telemetry | Vandal Proof Dome Camera | Color Box Camera | Color CCD Board Camera
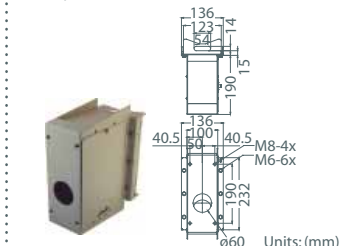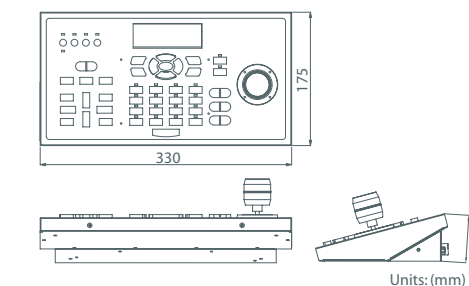
CCTV System Control Keyboard

Features

• Remote control via RS-485 interface

• 3-axis joystick control of PTZ

• Can control up to 255 devices

• Firmware upgrade via RS-232 port

• Built-in clock for date and time recording

• Supports Pelco D, Pelco P, and DSCP protocols

• Password protection and keylock function

Technical Specification

Control		D7313
Dome Control		Manual Pan / Tilt / Zoom
		Preset
		Sequence
		Cruise
		Auto Pan
		Zoom: Tele/Wide
Camera Lens Control	Focus	Near / Far / Auto
	Brightness	+ / -
DVR / Multiplexer	Mode Selection	Split screen mode: full, 2x2, 3x3, 4x4
	Menu Control	Yes
Supported Protocols		PELCO D&P, DSCP (Baud rate selectable)
General		
Environment		Indoor
Controller Interface		RS-485
Operating Temperature		0° ~ 40 °C
Power Source		DC 12V
Power Consumption		5W
Dimensions		103 × 330 ×175 mm (4.1 x 13 x 6.9 inches)
Weight		1.7 kg

Dimension

Units: (mm)
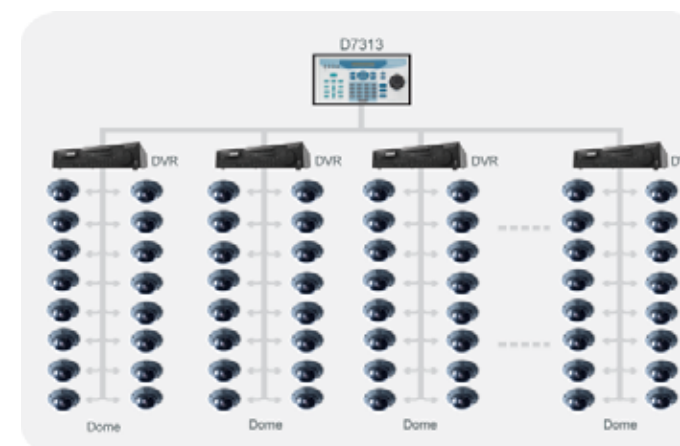
D7313 Control Keyboard

The D7313 CCTV system control keyboard can be easily integrated with DynaColor's full range of CCTV products, such as DVRs and speed dome cameras via RS-485 interface for remote control and system configuration. The D7313 is specially useful in a large CCTV system, where up to 255 devices can be controlled on the same bus through the CCTV System Control Keyboard, including 223 cameras or receivers, 16 system keyboards, and 16 DVRs.

The D7313 CCTV system control keyboard supports multiple protocols, such as Pelco D and Pelco P, allowing users to integrate our products into existed systems of the other brands and to extend the system compatibility and connectivity. The keyboard system settings and accessibility are protected by the password verification as well as the key-lock function.

The equipped back lit LCD display and 3-axis control joystick offer user friendly operations. The system firmware upgrade can be easily implemented through the RS-232 port and built-in firmware upgrade circuits. The D7313 system control keyboard is an ideal solution for your demanding surveillance requirements.
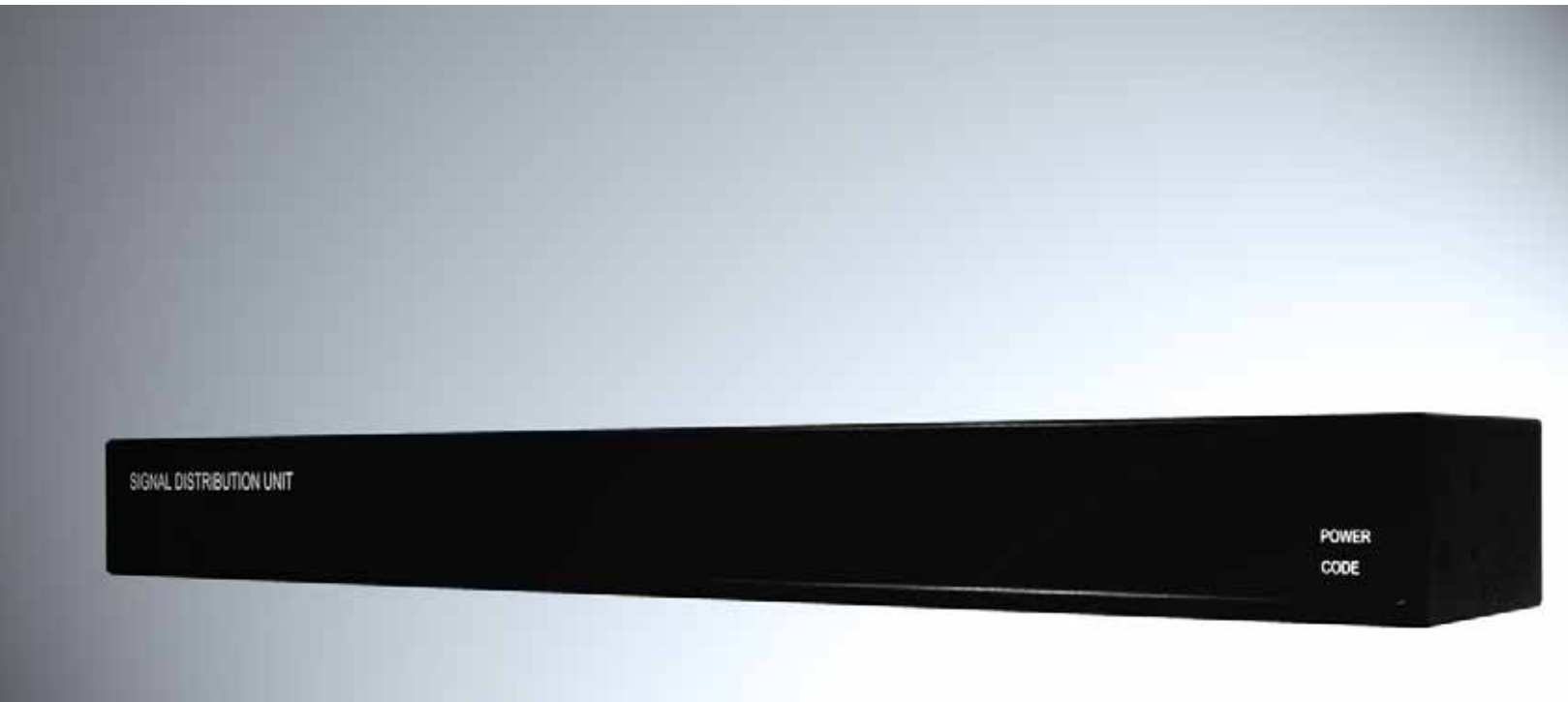
System Configuration

Product Selection

D7313- ☐

S: 2-axis joystick
H: 3-axis joystick

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D77S1

Integrated High Speed Dome Camera | Vandal Proof Mini Speed Dome Camera | Speed Dome Accessories | CCTV Control Keyboard | Signal Distribution Unit | Coaxial Telemetry | Vandal Proof Dome Camera | Color Box Camera | Color CCD Board Camera
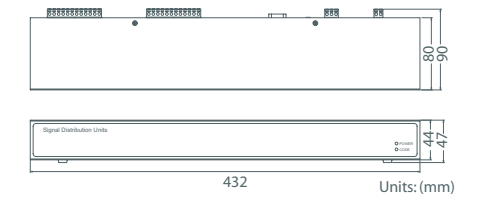
Signal Distribution Unit

Features

- Distribute RS-485 control signal
- 1x RS-232 input and 1x RS-485 input
- Up to 16x RS-485 output (Model option)
- Capability to output to 160 cameras maximum
- Maximum data transmission distance is 1.0 km
- Selectable system baud rate
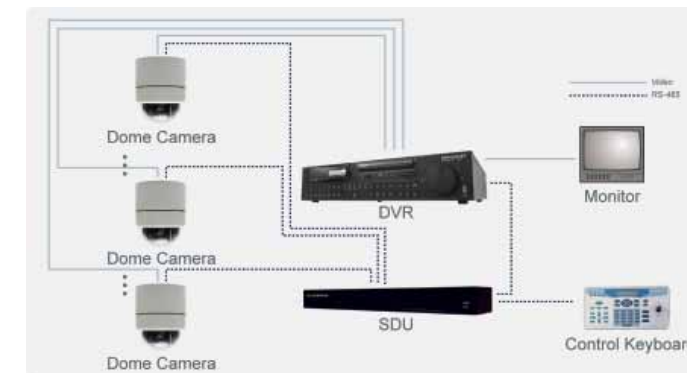- Standard 1U rack mount size
- Power and Code LEDs

Technical Specification

Item	D77S1
Electrical	
Operating Voltage	DC 12V
Power	8W
Indicators	
Power	LED
Code	LED
Connectors	
Input	RJ-11, RS-232 (9-pin Connector), RS-485 (2-wire Connector)
Output	16 RS-485 Ports (4 & 8 Ports Model Available)
Maximum Cable Distance	1.0 km
Maximum Camera Output	Up to 160 Cameras
Communication Speed	2400, 4800, 9600, 19200, 38400 bps (Selectable)
Mechanical	
Operating Temperature	-10°C - 50°C
Dimemsions	432 x 47 x 90 mm (17 x 1.9 x 3.5 inches)
Weight	1.2 kg

Dimension

Units: (mm)

D77S1

D77S1 is an intelligent signal distribution unit (SDU) packaged in a 1U rack mount chassis and designed to amplify and convert control signals between control keyboards and speed dome cameras. It is generally used to amplify RS-485 control signals that travel long distances between the controller and receiver. It can also be used to convert RS-232 control signal into RS-485 signal format. One signal input can be distributed among up to 16 outputs.

The SDU can be installed in either "star" or "daisy chain" configuration with up to 160 cameras. Its versatile installation configuration makes an easy integration into expanding surveillance systems; ideal large-scale installation sites include airport, hospitals, schools, stadiums, etc.
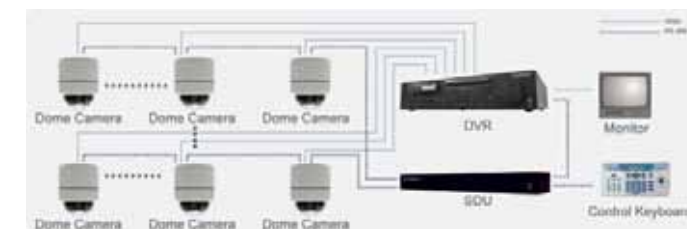
System Configuration

Star configuration

Daisy-chain configuration

Product Selection

D77S1-0☐☐

Channel
04: 4 channel
08: 8 channel
16: 16 channel

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Coaxial Telemetry

Features

- Supports all RS-485 protocols
- Supports DSCP and Pelco Coaxitron® protocols
- AC/DC dual power input
- Normally Open/Close alarm in
- Signal delivery distance up to 900m (DC resistance below 2.8 Ω)
- Supports up to 255 devices
- Supports parity check
- Supports multiple Baud Rate (2400, 4800, 9600, 19200, 38400 bps)

Technical Specification

Item		D70CB1
Operating voltage		DC 12V; AC 12 ~ 24V
Input		BNC (Video In), RS-485 (RJ11), Terminal Block
Output		BNC (Video Out), RS-485 (RJ11), Terminal Block
Maximum Device ID		255 set
Baud Rate		2400, 4800, 9600, 19200, 38400 bps
Protocol Type	UART	DSCP, general type (1 byte ~ 8 bytes)
	Coaxitron	Pelco D
UART Parity Check		None, Odd, Even
Maximum Distance		900 m (DC Resistance: 2.8 Ω/100m; AC Impedance: 75 Ω)
Dimension		100 x 90 x 28 mm (3.9 x 3.5 x 1.1 inches)
Unit Weight		280 g
Operation Temperature		0°C ~ 40°C (32°F ~ 104°F)

System Configuration
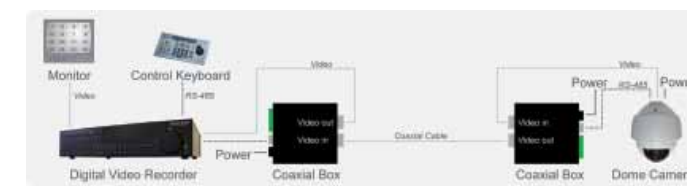
Default configuration
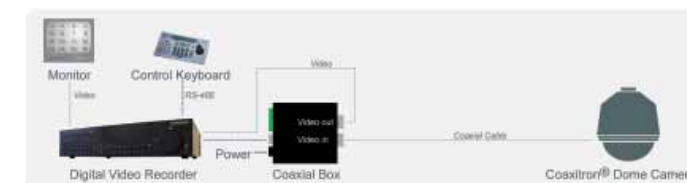
Pelco Coaxitron® Encoder

Pelco Coaxitron® Decoder

Dimension

Front Panel

❶ Video Input   ❸ RS-485 ID
❷ Video Output   ❹ Config

Rear Panel

❶ Alarm & RS-485   ❸ Power Jack
❷ RS-485 (RJ-11)

D70CB1

D70CB1, a device combining coaxial telemetry transmitter and receiver, allows the dome camera to transmit video signal, RS-485 control signal, and alarm signal over one single coaxial cable. The coaxial telemetry takes advantage of existing coaxial cable in surveillance systems consisting of fixed CCTV cameras and enables users to upgrade to dome cameras without additional wiring. The transmission distance can be easily reached 500 meters to 1000 meters, eliminating the need for repeaters/amplifiers and reducing the cost of wiring.

MKPB-DOME-PC-0703-EN01-LS

⇨Vandal Proof Fixed Dome Camera

Features

Dome Body:

- Weather resistant (IP 66 international standard)
- Vandal proof structure with metallic base
- 3-Axis (Pan/tilt/rotation) position adjustment
- Security Torx against tampering **NEW**
- Built-in heater and fan (Optional) **NEW**
- 4S Mount Support

- Backlight Compensation (BLC)
- Auto Exposure
- Anti-color-rolling
- Automatic Tracing White Balance
- Automatic Iris Control
- Automatic Gain Control (AGC)
- Auto Electronic Shutter
- Flickerless mode
- Mirror Function
- Built-in anti-aliasing optical low pass filter
- RoHS, CE, and FCC.

Camera:

- SONY 1/3" Super HAD/EXview CCD sensor.
- High Sensitivity, Low Smear and High S/N Ratio
- CCD Blemish Compensation

Technical Specification
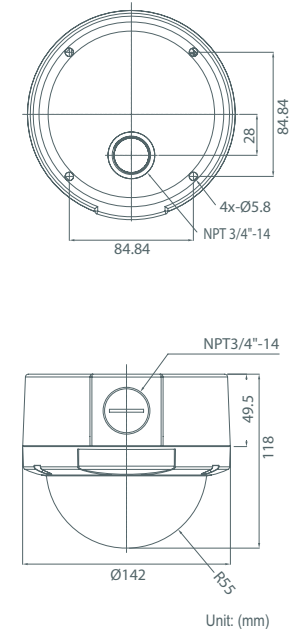
Item		DH210-010M/H	DH210-020M/H
Lens			
Max Aperture		Wide end: F1.4, Tele end: F2.4	
Lens Focal Length		F = 3 ~ 9 mm	
Angle of View		Wide end: Diagonal 115.4 degree / Horizontal 90.3 degree	
		Tele end: Diagonal 39.8 degree / Horizontal 31.9 degree	
Camera			
Sensor		1/3" Sony Super HAD	1/3" Sony EXview
Effective Pixels	NTSC	Middle Resolution: 510x492 (250k) / High Resolution: 768x494 (380k)	
	PAL	Middle Resolution: 500x582 (290k) / High Resolution: 752x582 (440k)	
Horizontal Frequency		NTSC: 15.734 KHz, PAL: 15.625 KHz	
Vertical Frequency		NTSC: 59.94 Hz, PAL: 50 Hz	
Scanning System		PAL, NTSC	
Synchronization		Internal	
Video Output		1.0Vpp / 75Ω, BNC	
Horizontal Resolution		420TVL / 520TVL	
S/N Ratio		More than 50dB (AGC Off)	
Low light Sensitivity		0.2 Lux (color) / 0.03 Lux (B/W) at F1.2	
Gamma Correction		R = 0.45	
White Balance		Auto Tracking White Balance (ATW)	
Electronic Shutter		Auto: 1/60(50) sec. ~ 1/100,000 sec.	
AGC Control		On / Off	
Flickerless Control		On / Off	
Backlight Compensation		On / Off	
Mirror		On / Off	
Auto Exposure/ Auto Iris		On / Off	
General			
Power Source		DC12V / AC24V & DC12V	
Power Consumption		3.6 W / 21 W (with heater)	
Operating Temperature		-10 °C ~ 50 °C (without heater) / -40°C ~ 50 °C (with heater)	
Dimension		Ø142 x 119 mm (5.6 x 4.7 inches)	
Weight		1 kg (2.2 lbs)	
Shipping Dimension		188 x 188 x 180 mm (7.4 x 7.4 x 7.1 Inches)	
Shipping Weight		1.2 kg (2.6 lbs)	

Dimension

84.84
28
84.84
4x-Ø5.8
NPT 3/4"-14

NPT3/4"-14
49.5
118
Ø142
R5.5

Unit: (mm)

Vandal Proof | Mirror | Flickerless | Varifocal Lens X3 | ATW | Back Light Compensation | Compact size | All-Weather | Day/Night

DynaHawk™ 210 Series

   The DynaHawk™ 210 series is a 1/3" CCD color vandal proof fixed dome camera with high image quality, increased sensitivity, and Day/Night switching for both indoor and outdoor surveillance system. The built-in Backlight Compensation, Auto Exposure, and Automatic Gain Control functions achieve superior image quality and stable camera performance. With die-cast aluminum construction and IP66 weather resistant dome housing design, the DynaHawk™ 210 vandal proof dome camera guarantees uncompromised security for both indoor and outdoor application. Its vandal proof body will protect the camera in damage prone environment such as prisons, schools, stations, or warehouses.

Product Selection

DH210- ☐☐☐☐☐☐☐☐

Interface	Sensor Type	Resolution	Lens Type	Video	Power	Day/Night	Heater/Fan	Sunshield
0: Analog	*1:* Super HAD	*H:* High	*A:* 3.7mm ~ 12mm	*N:* NTSC	*1:* DC12V	*0:* w/o D/N	*0:* w/o H/F	*0:* w/o
e: Ethernet	*2:* EXview	*M:* Medium	*B:* 3mm ~ 9mm	*P:* PAL	*2:* AC24V/DC12V	*1:* w/ D/N	*1:* w/ H/F	*1:* w/
						2: D/N w/ LED	*2:* w/ Fan	

MKPB-DOME-PC-0703-EN01-LS
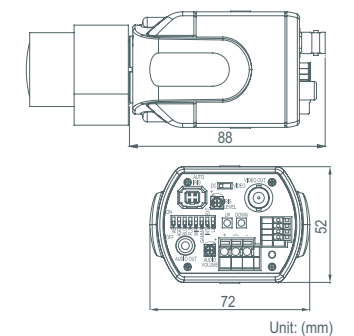
⇥Color Box Camera

Features

- Sony 1/3" EXview / Super HAD CCD sensor
- High resolution>520TVL, Middle resolution>420TVL
- Employs Sony Digital Signal Processor (DSP) IC
- High sensitivity, low smear and high S/N ratio
- Day/Night function (IR Cut Remover) **NEW**
- Excellent low-light performance
- Auto Exposure / Auto Iris
- Auto Gain Control (AGC)
- UTP (Optional) **NEW**

- Backlight Compensation
- Flickerless Control **NEW**
- Auto Tracking White Balance (ATW)
- Built-in anti-aliasing optical low pass filter
- RoHS, CE, FCC

Day/Night · Mirror · Flickerless · ATW · Back Light Compensation · Compact size

DynaHawk™ 060 Series

The DynaHawk™ 060 series color box camera adopts superior 1/3" CCD sensor, Digital Signal Processor (DSP) IC and is developed basing on DynaColor's enriched and professional video surveillance knowledge, to produce outstanding image quality. The horizontal resolution of more than 520 TV lines and a signal to noise ratio of more than 50 dB also ensure sharp video clarity. Advanced camera features, such as Backlight Compensation, Auto Tracking White Balance, Auto Gain Control, etc., guarantee superior image quality and enhance various application possibilities.

With the built-in infrared cut filter, the Day/Night DynaHawk™ 060 series color box cameras capture color video in light conditions down to 0.2 lux, and automatically switch from color to monochrome to capture detailed image in dark conditions as low as 0.03 lux, enabling 24-hour surveillance.

Technical Specifications

Item		DH060 - 01M/H	DH060 - 02M/H
Camera			
Sensor		1/3" Sony Super HAD	1/3" Sony EXview
Effective Pixels	NTSC	High Resolution: 768 x 494 (380K) ; Middle Resolution: 510 x 492 (250K)	
	PAL	High Resolution: 752 x 582 (440K) ; Middle Resolution: 500 x 582 (290K)	
Horizontal Frequency		NTSC: 15.734 KHz, PAL: 15.625 KHz	
Vertical Frequency		NTSC: 59.94 Hz, PAL: 50 Hz	
Scanning System		NTSC, PAL	
Synchronization		Internal	
Analog Video Output		1.0Vp-p / 75Ω, BNC	
Horizontal Resolution		High Resolution > 520TVL / Middle Resolution > 420TVL	
S/N Ratio		More than 50dB (AGC Off)	
Low Light Sensitivity		0.2 Lux (Color) / 0.03 Lux (B/W) at F1.2	
Gamma Correction		R = 0.45 / 1.0 (switchable)	
White Balance		Auto Tracking White Balance (ATW) 2500°K ~ 9500°K	
Electronic Shutter		Auto: 1/60(50) sec. ~ 1/100,000 sec.	
Day/Night Function (Optional)		IR-Cut Remover	
Day/Night Trigger Source		Internal Auto / Alarm Input	
Day/Night Alarm Input		10KΩ pull up	
Day/Night Alarm Output		Photocoupler Transistor Output	
Auto Exposure / Auto Iris		AE / AI (switchable)	
Backlight Compensation		On / Off	
Flickerless Control		On / Off	
AGC		On / Off	
Mirror		On / Off	
Operation Temperature		-10°C ~ 50°C	
Power Source		DC12V / AC24 & DC12V / AC100 ~ 240V / UTP (DC 20 ~ 48V)	
Power Consumption		< 2 W	
Dimension		88 × 72 × 52 mm (3.5 × 2.8 × 2.0 inches)	
Weight		145 g (0.32 lbs)	

*Lens not included

Dimension

88

52

72

Unit: (mm)

Product Selection

DH060- ☐☐☐☐☐☐

| Interface
0: Analog
U: UTP | Sensor
1: Super HAD
2: EXview | Resolution
H: High
M: Middle | Day/Night
0: Without
1: With | Video
N: NTSC
P: PAL | Power
1: DC12V
2: AC24V/DC12V
3: AC100~240V
0: UTP | Audio
0: Without
1: With |

DynaHawk™ 005/006 Series

Integrated High Speed Dome Camera | Vandal Proof Mini Speed Dome Camera | Speed Dome Accessories | CCTV Control Keyboard | Signal Distribution Unit | Coaxial Telemetry | Vandal Proof Dome Camera | Color Box Camera | Color CCD Board Camera

Color CCD Board Camera
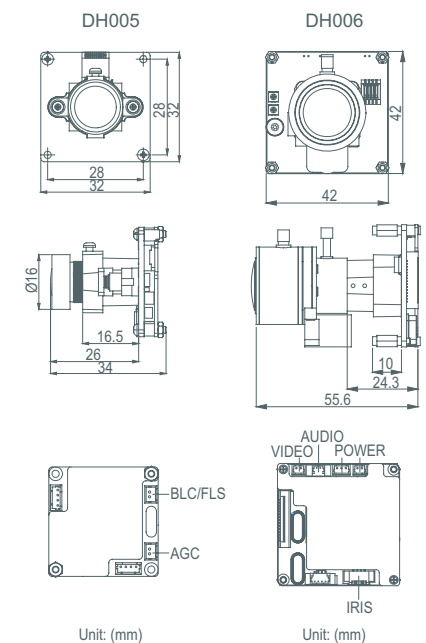

Features

• SONY 1/3" and 1/4" Super HAD/EXview CCD sensor.

• Employs Sony Digital Signal Processor (DSP) IC for image control.

• High sensitivity, low smear, excellent anti-blooming and high S/N ratio.

• Digital Output ITU-656, 8bits (DH006 only)

• Built-in anti-aliasing and IR-cut optical filter.

• RoHS, CE, and FCC.

• Built-in high sensitivity microphone (DH006 only)

• Support functions:

  - Auto Electronic Shutter

  - Auto Gain Control

  - Auto Tracking White Balance

  - Backlight Compensation

  - Flickerless Control

  - Auto Exposure/Auto Iris

Technical Specifications

Item		DH005		DH006	
Model No.		DH005-01M/H	DH005-02H	DH006-01M/H	DH006-02M/H
Sensor		1/4" Sony Super HAD	1/4" Sony EXview	1/3" Sony Super HAD	1/3" Sony EXview
Standard Lens		2.5 mm (view angle 107.2°)		3 mm ~ 9 mm (vari focal lens)	
Optional Lens		3.6 mm (view angle 96°)		3.7 mm ~ 12 mm (vari focal lens)	
Effective Pixels	NTSC	High Resolution: 380K Middle Resolution: 250K	High Resolution: 380K	High Resolution: 380K Middle Resolution: 250K	
	PAL	High Resolution: 440K Middle Resolution: 290K	High Resolution: 440K	High Resolution: 440K Middle Resolution: 290K	
Horizontal Frequency		NTSC: 15.734KHz, PAL: 15.625KHz			
Vertical Frequency		NTSC: 59.94 Hz, PAL: 50 Hz			
Scanning System		PAL, NTSC			
Synchronization		Internal			
Video Output		1.0Vpp / 75Ω, BNC			
Horizontal Resolution		400 TVL / 500 TVL	500 TVL	420 TVL / 520 TVL	
S/N Ratio		More than 50dB (AGC Off)			
Low light sensitivity		1 Lux at F2.0		0.2 Lux (color) / 0.03 Lux (B/W) at F1.2	
Gamma Correction		R = 0.45			
White Balance		Auto Tracking White Balance (ATW)			
Electronic Shutter		Auto		Auto: 1/60(50) sec. ~ 1/100,000 sec.	
AGC control				On / Off	
Flickerless control		Standard SW1: AGC, SW2: BLC		On / Off	
Backlight Compensation		JAPAN SW1: AGC, SW2: Flickerless		On	
Auto Exposure		On		On / Off	
Operating Temperature		-10°C ~ 50°C			
Power Source		DC 9 ~ 15V		DC12V / DC12 & AC24V / AC100 ~ 240V	
Power Consumption		< 1.7 W		<1.8 W	
Dimension		32 x 32 mm (1.26 x 1.26 inches)		42 x 42 mm (1.6 x 1.6 inches)	
Weight		17 g (Including lens)		48 g (Including lens)	

Dimension

DH005 DH006

Unit: (mm) Unit: (mm)
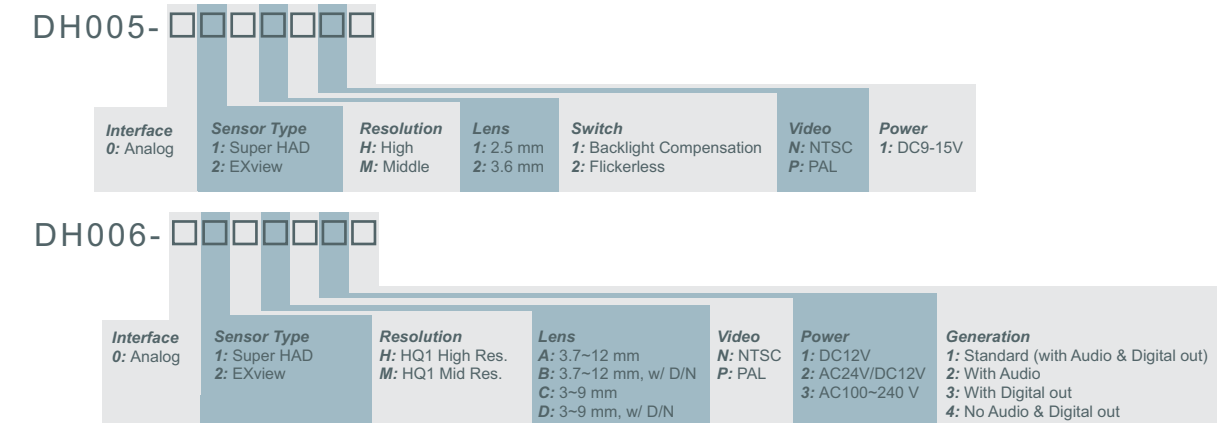
DynaHawk™ 005/006 Series

The DynaHawk™ 005/006 compact Color CCD board camera employs the Sony Digital Signal Processor (DSP) IC. With the features of superior sensitivity, low smear, anti-blemish and high S/N ratio, the color board camera ensures image clarity, while the support functions of Auto Gain Control (AGC), Backlight Compensation and Auto Tracking White Balance (ATW) work together to achieve consistent video output level. In addition, the camera provides Digital and Audio Output for versatile applications. The color board camera is ideal for embedded system and concealed applications, such as ATM machine, POS machine and door phones.

Product Selection

DH005- ▢▢▢▢▢▢

Interface	Sensor Type	Resolution	Lens	Switch	Video	Power
0: Analog	1: Super HAD 2: EXview	H: High M: Middle	1: 2.5 mm 2: 3.6 mm	1: Backlight Compensation 2: Flickerless	N: NTSC P: PAL	1: DC9-15V

DH006- ▢▢▢▢▢▢

Interface	Sensor Type	Resolution	Lens	Video	Power	Generation
0: Analog	1: Super HAD 2: EXview	H: HQ1 High Res. M: HQ1 Mid Res.	A: 3.7~12 mm B: 3.7~12 mm, w/ D/N C: 3~9 mm D: 3~9 mm, w/ D/N	N: NTSC P: PAL	1: DC12V 2: AC24V/DC12V 3: AC100~240 V	1: Standard (with Audio & Digital out) 2: With Audio 3: With Digital out 4: No Audio & Digital out

Service & Support

DynaColor designs and manufacturers CCTV 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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High Speed Dome   High Speed Dome   High Speed Dome   High Speed Dome

DYNACOLOR
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