DYNAC●L●R
always watching

▪Integrated High Speed Dome Camera   ▪Vandal Proof Mini Speed Dome Camera   ▪Installation Accessories   ▪CCTV System Control Keyboard

▪Vandal Proof Mini Speed Dome Camera

AUTO Calibration	Schedule	300° Speed	All-Weather	Day/Night	Back Light Compensation	Vandal Proof	Compact size	DVR Protocols	Network

DynaHawk™ 500 / 600 Series

The DynaHawk™ 500 / 600 series vandal proof mini speed dome cameras are new members 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.

Features

Precise and Accurate Dome Camera 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
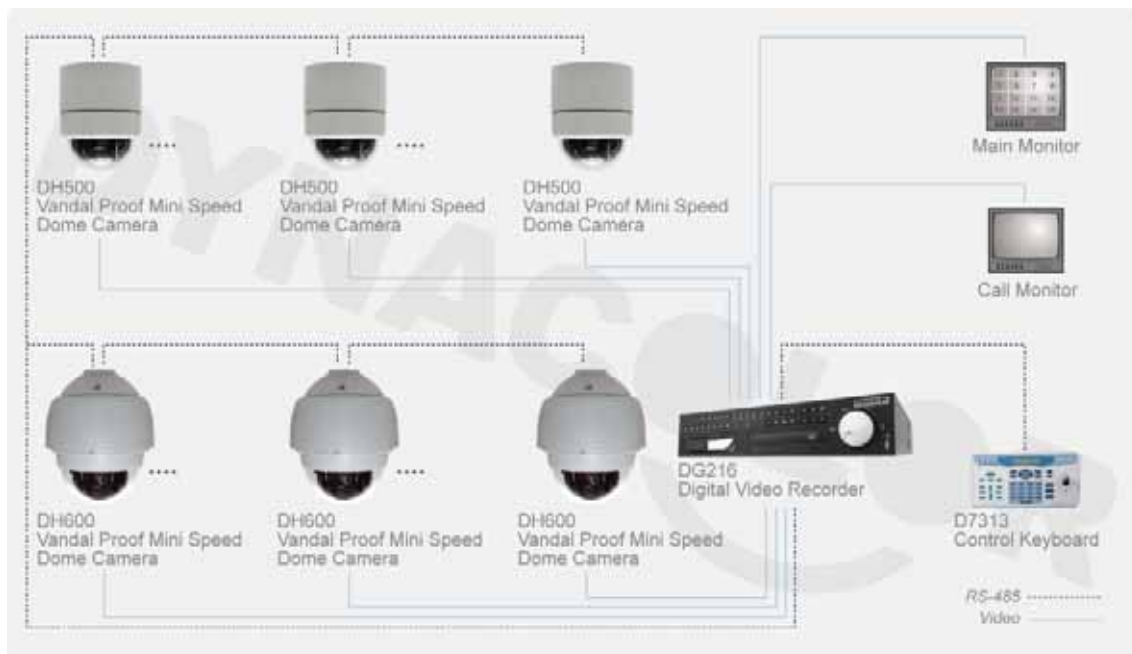
• Automatic Mechanical Image Flip (180°)

Dynamic Dome Applications

• Schedule function **NEW**

• Multiple built-in protocols

• Extraordinary lightweight design for easy installation

• Vandal proof dome cover

• Weatherproof housing (DynaHawk™ 600 series)

• Flexible indoor / outdoor mountings

Superior Camera Image Quality

• 12× (Optical Zoom) expandable to 18×

• 10× (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)

System Configuration

DH500 Vandal Proof Mini Speed Dome Camera

DH500 Vandal Proof Mini Speed Dome Camera

DH500 Vandal Proof Mini Speed Dome Camera

DH600 Vandal Proof Mini Speed Dome Camera

DH600 Vandal Proof Mini Speed Dome Camera

DH600 Vandal Proof Mini Speed Dome Camera

Main Monitor

Call Monitor

DG216 Digital Video Recorder

D7313 Control Keyboard

RS-485

Video

![Dynacolor logo](always watching)

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Proportional Pan & Tilt Speed

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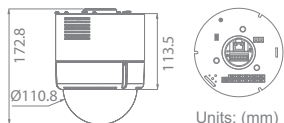
Mechanical Image Flip

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 camera. This automatic function will eliminate blind spots under the dome camera and improves user control.

Auto Flip Back

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

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.
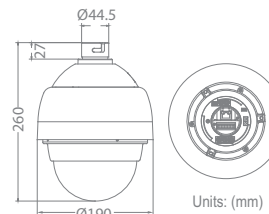

Backlight Compensation Off   Backlight Compensation On

Flexible Mounting Options

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

Indoor Vandal Proof Mini Speed Dome Camera

The Dyna**Hawk**™ 500 series 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 Dyna**Hawk**™ 500 series protects the dome camera in vandal prone environment.

172.8   113.5   Ø110.8   Units: (mm)

DH500
Vandal Proof Mini Speed Dome Camera

Outdoor Vandal Proof Mini Speed Dome Camera

With its weatherproof housing (IP 66 compliant) and sunshield, the Dyna**Hawk**™ 600 series is ready for demanding outdoor application. Building on top of the extensive features of the Dyna**Hawk**™ 500 series, the Dyna**Hawk**™ 600 series also includes IR Cut Filter for nighttime surveillance or low light condition. Its compact profile and easy installation makes it the perfect choice for outdoor surveillance operation.

Ø44.5   57   260   Ø190   Units: (mm)

DH600
Vandal Proof Mini Speed Dome Camera

Technical Specification

Item		DH500	DH600
Camera			
CCD Sensor		1/4" Super HAD CCD	1/4" EXview CCD
Optical Zoom		12×	12×
Digital Zoom		1× ~ 10× 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	0.5°	
	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)
Weatherproof Standard		-	IP 66 Standard
Dimensions		Ø133 × 173 mm (5.2 × 6.8 Inches)	Ø172 × 260 mm (6.8 × 10.2 Inches) / Ø190 × 260 mm (7.5 × 10.2 Inches), w/ 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		14 W	52 W (with Heater)
Regulatory		CE, FCC, RoHS	

Product Selection

DH500- ☐☐☐☐☐☐☐☐☐
DH600- ☐☐☐☐☐☐☐☐☐

Interface	Camera	Sensor	Motor	Video System	Body Color	Cover Color	Schedule	Sunshield	Power
0: Analog	**C:** 12×	**2:** Super HAD	**F:** Standard	**N:** NTSC	**W:** White	**T:** Transparent	**0:** without	**0:** without	**1:** DC 12V
e: Ethernet	**D:** 12×, ICR	**4:** EXview	**G:** High-resolution	**P:** PAL		**S:** Smoke	**1:** with	**1:** with	**2:** AC 24V
						V: Vandal Proof			

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

DynaHawk™ Family Features

Comprehensive System Compatibility

The DynaHawk™ 500 / 600 / 701 / 801[+] series speed dome cameras support 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 Distribution Unit, 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.

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.

Indoor Model Feature Comparison

Features		DH701 L (NEW)	DH701 U	DH701 K	DH701 R	DH701 F	DH701 C	DH500
Camera	Optical Zoom	35×	26×	23×	22×	18×	18×	12×
	Digital Zoom	12×	12×	12×	12×	12×	12×	10×
	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	□	□	□	□	□	□	■

■ Support   □ Option   - Not Support

Application

Stores and Banks

Users can simply configure the Dyna**Hawk**™ 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 camera to execute a Sequence line or Auto-Pan function to capture important points or a broad view during daytime.

During the nighttime, the speed dome camera can be set to focus on the entrance and trigger alarm as it detects motion. The Dyna**Hawk**™ 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 Dyna**Hawk**™ series speed dome cameras will satisfy all your surveillance needs with robust and flexible functions.

Airport

Equipped with 35× optical zoom ratio, the Dyna**Hawk**™ 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 Dyna**Hawk**™ 701 / 801[+] series will automatically zoom in on sensitive areas when an access alarm is triggered. The high resolution, high zoom ratio Dyna**Hawk**™ 701 / 801[+] series provides the performance and convenience for wide area surveillance.

Outdoor Model Feature Comparison

Features		DH801+						DH600
		L (NEW)	U	K	R	F	C	
Camera	Optical Zoom	35×	26×	23×	22×	18×	18×	12×
	Digital Zoom	12×	12×	12×	12×	12×	12×	10×
	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	□	□	□	□	□	□	■
	Built-in Heater	■	■	■	■	■	■	■
	Weather Resistant Housing (IP 66)	■	■	■	■	■	■	■
	Sunshield Housing	□	□	□	□	□	□	□

■ Support □ Option - Not Support

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