



D7723/D7723e

High Speed Dome Camera



D7723 series High Speed Dome Camera

- Removable IR Cut Filter (K&S Model)
- Motion Detection (S Model Only)
- Wide Dynamic Range (K Model Only)
- Minimum Illumination: 0.01Lux (K and S model without IR illuminator) and 0 Lux (K and S model with IR illuminator)
- Privacy Mask (K&S Model)
- Digital Flip (K&S Model)
- Digital Slow Shutter (K&S Model)
- 5" Compact, Low Profile Color Dome Camera
- Home Function
- Auto White Balance
- Back Light Compensation
- Auto Iris Control
- Electronic Shutter
- Auto Sequence
- Auto Cruise
- Auto Pan
- Auto Turn Around
- 128 Presets
- Pan & Tilt Speed Proportional to Zoom Ratio
- On Screen Display for Camera Control
- Variable Speed 1°/s~375°/s
- Remote Control Via RS-485 (D7723 model only)
- 4 External Alarm Input and 1 External Alarm Output
- AC 24V Power Supply for Easy Installation

• Designed for analog and digital applications

The new compact D7723 Series High Speed Dome Camera can be applied to both analog (D7723) and digital (D7723e) surveillance application with much easier installation (comparing to D7722 models). D7723 Series High Speed Dome Camera is designed and engineered to deliver high reliability, superb performance, and user friendly interface for wide range surveillance applications. Multiple built-in protocols provide D7723 Series with the connectivity to other manufacturers' surveillance systems directly. Advanced DSP-based functions, such as Removable IR Cut Filter (Day/Night Switch), Wide Dynamic Range, Digital Slow Shutter, and Back Light Compensation enhance image quality for both day and night operation; Motion Detection, Privacy Masking, Digital Flip, and Home Function add more valuable performance for a variety of applications.

• Easier installation

D7723 Series High Speed Dome now offers much easier installation. Based on the experience of D7722, the installation mechanism is greatly improved. To connect dome body and base bracket, only three steps are required: (1) connect one cable set with fast connector, (2) blindly insert-then-rotate to clamp speed dome body into the base bracket, (3) lock a fall-out-free screw to secure the mounting. Many new support accessories, e.g. new T-Bar, ceiling panel, are designed to make installation easier than before.

• Advanced superb features solve most environmental problems

Digital Slow Shutter and Removable IR Cut Filter enable D7723 Series to be suitable for night or dark locations. Wide Dynamic Range, Auto White Balance, Back Light Compensation, Auto Iris Control, and Auto Gain Control functions are easily configurable to capture images accurately without distortion regardless of environmental changes.

• Specific functions meet users' particular needs

Privacy Masking allows users to mask selected areas which are protected from intrusive monitoring. Motion Detection enables D7723 Series to output alarm signal when a moving object is detected; users can easily configure the motion detection zone, threshold, and detect time range to meet their specific operating conditions.

• Digital Flip and High Speed P/T/Z functions keep objects in track

D7723 Series provides variable pan/tilt speeds ranging from a fast patrol of 375 ° per second to a slow ramble of 1 ° per second. D7723 Series allows 360 ° endless rotation and -99 ° 99 ° tilt travel. Digital Flip makes image flip 180 ° immediately without interruption while tracking the object passing directly beneath the dome. It is faster than traditional mechanical flip.

• User friendly functions provide additional value

Advanced DSP technology provides many user friendly functions, such as Auto Pan, Cruise, Sequence, Preset, and Home; they allow users to scan a specific route or objects efficiently. Auto Pan allows D7723 Series to scan a region between two defined points at configured speed. Cruise function simulates the path which is determined by joystick movement to enrich customers' various applications. Home Position function enables D7723 Series to automatically return to predetermined location defined by user after a specific time of inactivity.

• Large set of built-in protocols provide connectivity to other surveillance systems

The built-in protocols include Dynacolor, Pelco, VCL, Philips, AD-Manchester, AD-422 etc. allow D7723 series to be integrated with other suppliers' surveillance systems.



SPECIFICATION

GENERAL FEATURES		ROTARY BODY FEATURES		
	D7723		D7723B	D7723C
Environment	Indoor / Outdoor	Pan Travel		
Controller I / F	RS-485	360° endless		
Operating Temperature	0°C~40°C (32°F~104°F)	Tilt Travel	R Model	
Power Source	AC 24V		-10°~ 99°	
Max Power Consumption	22 W	K Model	S Model	
Dimension	130 x 200 mm (5.1 x 7.9 Inches)	Manual Speed		
Weight	1.5 kg (3.3 lbs)	1°-150° /s		
		Preset Speed	Pan	
			1°-375° /s High Resolution*	
		Tilt		1°-375° /s High Resolution*
		6°~360° /s Standard Resolution*		1°~375° /s High Resolution*

*Standard Resolution: 768 steps/circle High Resolution: 1600 steps/circle

CONTROL FEATURES				CAMERA FEATURES			
	R Model	K Model	S Model		R Model	K Model	S Model
Pelco D&P protocol	Yes	Yes	Yes	Total Pixels	NTSC: 811(H) x 508(V) PAL: 795(H) x 596(V)	NTSC: 758(H) x 504(V) PAL: 758(H) x 592(V)	N/A
Presets	128	128	128	Effective Pixels	NTSC: 768(H) x 494(V) PAL: 752(H) x 582(V)	NTSC: 724(H) x 494(V) PAL: 724(H) x 582(V)	NTSC: 680k pixels PAL: 800k pixels
Preset Accuracy	0.50°	0.50°	0.50°	Scanning Area	1/4" CCD		1/6" CCD
Cruise	1	1	1	Scanning System	PAL, NTSC		
Sequence	4	4	4	Synchronization	Internal / Line Lock		
Auto-Pan	1	1	1	Video Output	1.0V pp / 75 , BNC		
Privacy Mask	X	8	24	Horizontal Resolution	NTSC: 470 TVL PAL: 460 TVL	NTSC: 470TVL PAL: 470TVL	NTSC: 470TVL PAL: 460TVL
Pan & Tilt Proportional to Zoom Ratio	Yes	Yes	Yes	S/N Ratio	50dB	50dB	49dB
Zone Title	Yes	Yes	Yes	Minimum Illumination	1 lux	0.01 lux 0 lux (IR illuminator)	0.01 lux 0 lux (IR illuminator)
Home Function	Yes	Yes	Yes	Focal Length	4~88 mm	3.6~82.8 mm	2.4~60.0 mm
P/T/Z Auto-Restoring	Yes	Yes	Yes	Zoom Ratio	22X optical zoom	23X optical zoom	25X optical zoom
AutoTurn-Around	Yes	Yes	Yes	Digital Zoom	X1~X12 variable	X1~X10 variable	X1~X12 variable
Digital Flip	X	Yes	Yes	Zoom Speed	3.9 sec / 6.3 sec	2.9 sec~5.8 sec	2.3 sec~4.8 sec
Digital Slow Shutter	X	Yes	Yes	Focus Mode	Auto / Manual		
Removable IR Cut Filter	X	Yes	Yes	White Balance	Auto / Manual		
Wide Dynamic Range	X	Yes	X	Iris Control	Auto / Manual		
Motion Detection	X	X	Yes	Electronic Shutter	NTSC:1/60~1/30k sec. PAL:1/50~1/30k sec.	NTSC:1/2~1/30k sec. PAL:1/1.5~1/30k sec.	NTSC:1/4~1/10k sec. PAL:1/3~1/10k sec.
				AGC Control	Auto / Manual		
				Back Light Compensation	On / Off		

ck in a Snap

D7723e Network High Speed Dome Camera-Answer to the Internet Era

- Built in Network Interface (D7723e only)
- TCP/IP enabled Ethernet connection
- Self-contained HTTP Web Server providing Internet capability
- IP assignment via ARP/Web page/IP Installer for easy installation
- JAVA-base web page providing maximum platform compatibility
- Active-X control for Internet Explorer™ providing maximum performance
- E-mail/FTP/Internal Buffer Storage/Relay Out/PPP Dialing Out for event action
- Remote upgradeable firmware and user content pages via FTP
- Server operating control through CGI base script easy for users to integrate the application
- DDNS support for Dynamic IP application
- Remote Upgradeable Firmware and User Content Pages via FTP
- 3-layer User Security Control
- Motion Detection / Date / Time / GPIO Input for event trigger
- Programmable event script for various applications

• Built-in Ethernet Interface

D7723e connects directly to Ethernet and camera video is automatically available to any authorized network clients. Dome control also can be conducted through Ethernet.

Through Internet technology, D7723e series provides an elegant solution for remote monitoring without costly cabling as the conventional analog surveillance solutions. D7723e firmware can be upgraded via Ethernet to enhance system manageability.

D7723e NETWORK SPECIFICATION

FEATURES	
System Requirements	Standard Internet TCP/IP protocols
Supported Web Browser	Windows - Microsoft Internet Explorer 5.x or later
Installation	Physical network connection RJ-45 twisted pair cable, Assign IP address: using ARP or Via Admin Web Page or IP Installer
Software Upgrade	Remote software up-gradable using FTP, Custom web contents updated via FTP & Telnet
Management	Remote configuration using Web-based tools
Compression	Live Video: Motion-JPEG; Still Capture: JPEG; User-controlled compression level
Networking	10baseT Ethernet
Protocols	TCP/UDP/IP, HTTP, FTP, SMTP, ARP, ICMP, DHCP, PPP, Telnet
General I/O	4 alarm inputs and 1 alarm output
Pan/Tilt/Zoom	Supported
Security	3-layer Password Protection
Performance	Video throughput: Up to 30 frames/ second at CIF resolution, Network throughput: Max. Up to 800K bytes/second
Max. Resolution	NTSC: 704 x 480 pixels (Single), PAL: 704 x 576 pixels (Single)
Video Adjustment	Brightness, Contrast, Hue, Saturation, Quality Level
GENERAL FEATURES	
	D7723e
Environment	Indoor / Outdoor
Controller I/F	-
Operating Temperature	0°C~40°C (32°F~104°F)
Power Source	AC 24V
Max Power Consumption	25W
Dimension	130 x 200 mm (5.1x7.9 Inches)
Weight	2.4 kg (5.3 lbs)

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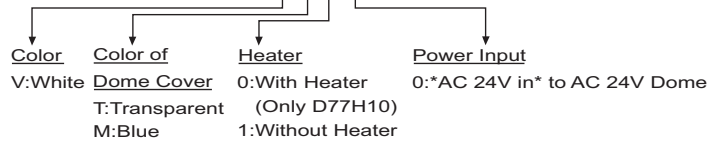
D77H1X: Housing Accessories

Outdoor Housing	Indoor Housing
Easy Installation with Different Pendant Available	
Built-in Fan and selectable Heater	
Optical Dome Cover	
Sun Shield	—
IP 66 Standard	—

Housing Product Selection

Outdoor Housing: D77H10-□□□□

Indoor Housing: D77H11-□□□□



D77H03: Pendant Accessories

	Gooseneck Tube	Straight Tube
Material	Iron	Iron
Strength	15 kg (33 lbs)	15 kg (33 lbs)
Color	White	White
Dimension	298 x 385 mm (11.73 x 15.16 inches)	250/500 mm (9.8/19.7 inches) Diameter= 50mm (2 inches)
Weight	2.1 kg (4.6 lbs)	1.2 kg (2.7 lbs)

Pendant Product Selection

D77H03-□□

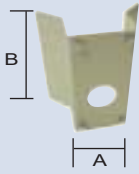
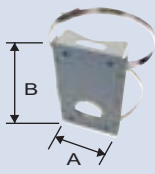
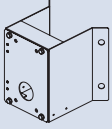
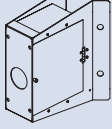
Pendant Type

B: Gooseneck Tube
 1: 250 mm Straight Tube
 2: 500 mm Straight Tube




Color of Pendant

V: White

D77H05: Mounting Accessories

	Corner Mounting	Pole Direct Mounting	Pole Box Mount
			<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"></div> <div style="text-align: center;"></div> </div>
Material	SPCC	SPCC	SPCC
Strength	15 kg (33 lbs)	15 kg (33 lbs)	8 kg (17.6 lbs)
Color	White	White	White
Dimension	Corner Standard Mounting: A=112 mm (4.4 inches) B=210 mm (8.3 inches) C=204 mm (8 inches) Corner Thin Box Mounting: A=100 mm (3.9 inches) B=300 mm (11.8 inches) C=165 mm (6.5 inches) Corner Wide Box Mounting: A=234 mm (9.2 inches) B=234 mm (9.2 inches) C=170 mm (6.7 inches)	Pole Thin Direct Mounting: A=136mm (5.4 inches) B=232mm (9.1 inches) Pole Wide Direct Mounting: A=170mm (6.7 inches) B= 270mm (10.6 inches)	Pole Thin Box Mounting: A=136mm (5.4 inches) B=232mm (9.1 inches) C=220mm (8.7 inches) Pole Wide Box Mounting: A=170mm (6.7 inches) B= 270mm (10.6 inches) C=124mm (4.9 inches)
Weight	2.7 kg (lbs)	1kg (2.2 lbs)	3.1 kg (6.8 lbs)

Other Mounting Accessories

D77H05-T01: Stainless Straps 	D77H05-T02: Cutter for Stainless Straps (suitable for Straps Width: 1/2", 5/8", 3/4) 	D77H05-T03: Hose Clamp 
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Mounting Product Selection

D77H05- □□□ → Mounting Type

CST: Corner Standard Mounting
 CTB: Corner Thin Box Mounting
 CWB: Corner Wide Box Mounting
 PTD: Pole Thin Direct Mounting
 PWD: Pole Wide Direct Mounting
 PTB: Pole Thin Box Mounting

PWB: Pole Wide Box Mounting
 WTB: Wall Top Box
 WSB: Wall Side Box
 T01: Cutter for Stainless Straps
 T02: Stainless Straps
 T03: Hose Clamp

D77H06: Ceiling Mount Accessories

	T-Bar Ceiling Mount	Hard Ceiling	Ceiling Panel
			
Material	Zn plated	Zn plated	Zn plated
Strength	kg (lbs)	kg (lbs)	kg (lbs)
Color	-	-	Gray
Dimension	High: 170 mm (6.7 inches) Diameter: 180 mm (7.1 inches)	High: 30 mm (1.2 inches) Diameter=180 mm (7.1 inches)	A= 610 mm (24 inches) B= 305 mm (12 inches) Diameter=135 mm (5.3 inches)
Weight	500 g (1.1 lbs)	200 g (0.44 lbs)	

Ceiling Mount Accessories Selection

D77H06- □□□ → Accessories

T25: T-Bar Ceiling Mount
 H00: Hard Ceiling Mount
 P00: Ceiling Panel

D77H07: Miscellaneous Accessories

	Power Box	Connector Box
	 Available Soon	
Power	110/220-> AC24V	—
Color	White	White
Dimension	Length=186.5 mm (7.3 inches) Width=147 mm (5.8 inches)	Length=95 mm (3.7 inches) Width=42 mm (1.7 inches)
Weight	2.6 kg (lbs)	130 g (lbs)

Pendant Product Selection

D77H07-□□□→Accessories

P00: Power Box

C00: Connector Box

CCTV Control Keyboard-D731X



Product Selection

D731□-□

2: Basic Control K.B.

3: Advanced Control K.B.

S: 2-axis joystick

H: 3-axis joystick

Repeater/Converter-D77RX



Product Selection

D77R□-□

Date Interface

1: RS-485/RS-422 Repeater

2: RS-232 between RS-485/RS-422

3: Bi-Phase to RS-485/RS-422

Attachment

A: With Adapter

None: Without Adapter

D7723

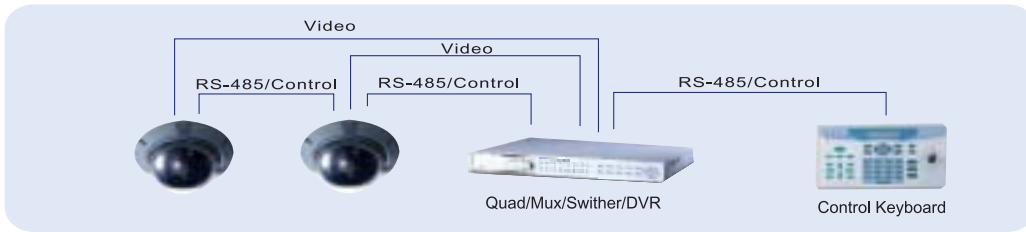


A Precise Check in a Snap

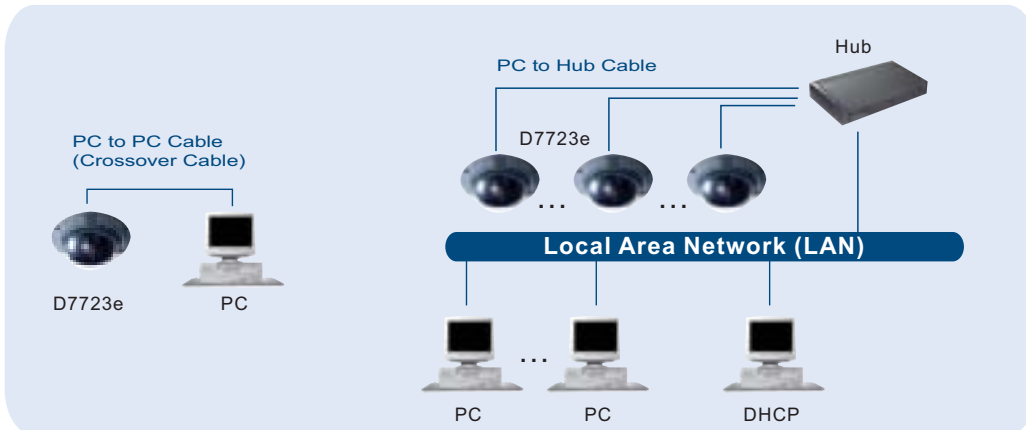
A Precise Check in a Snap

General System Configuration

D7723 Models



D7723e Model



PRODUCT SELECTION

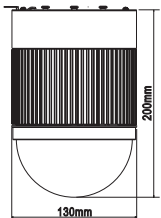
D7723-

D7723e-

- P/T Resolution**
 - B:Pan:High resolution*
 - Tilt:Standard resolution*
 - C:High resolution Pan/Tilt*
- Camera Type**
 - R:22X module
 - K:23X module(0 lux)
 - S:25X module(0 lux)
- Power Source**
 - 2:AC 24V power in
- Video Output**
 - N:NTSC
 - P:PAL
- Color**
 - G:Gray
- Cover**
 - B:Blue
 - T:Transparent

*Standard Resolution: 768 steps/circle High Resolution: 1600 steps/circle

DIMENSION



Product specifications and availability subject to change without notice.
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Developed and Manufactured by:
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