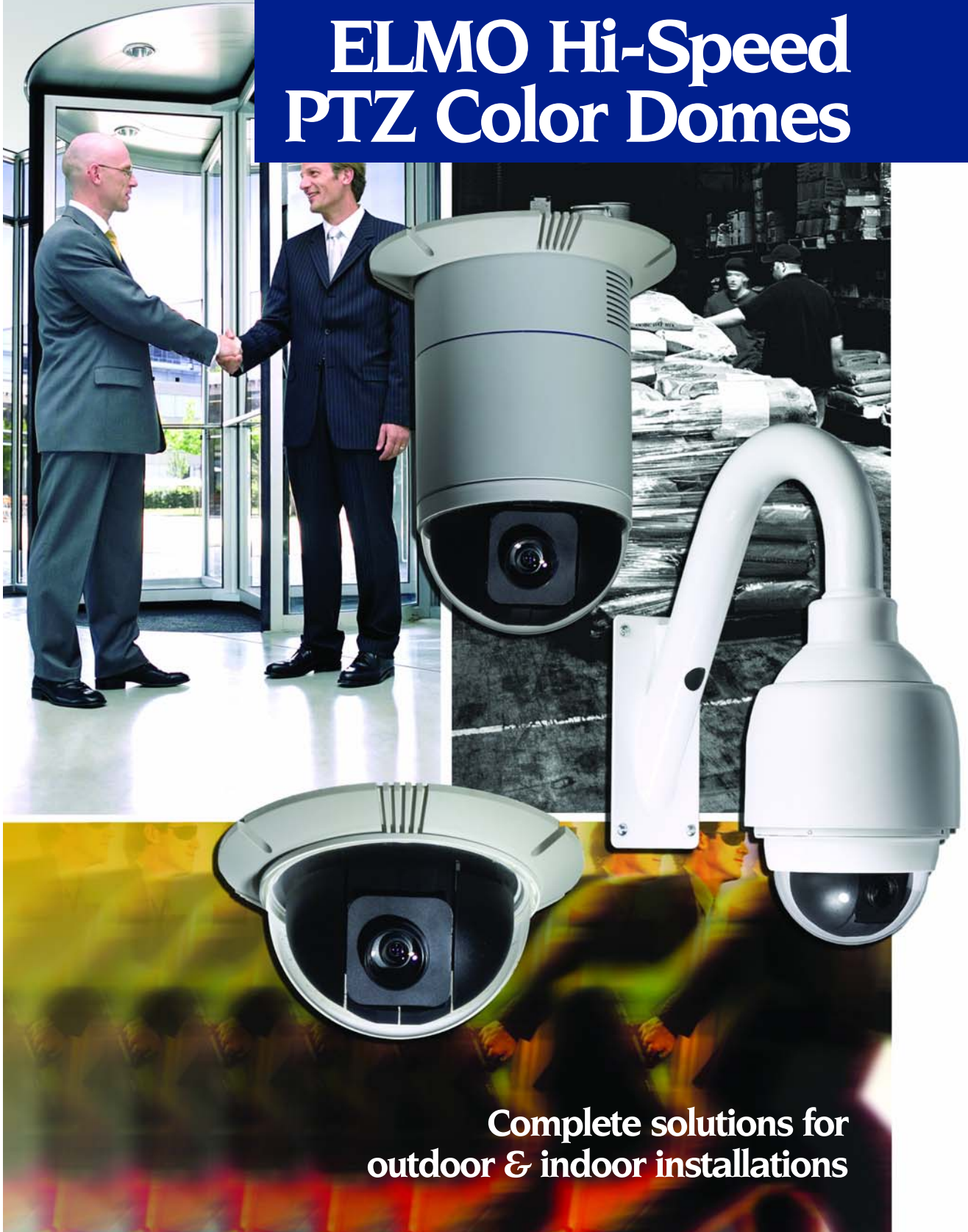


SPECIFICATIONS

	ESD-380		ESD-370	
	S	DR	S	DR
CAMERA				
Optical Zoom Ratio	22x	23x	22x	23x
Digital Zoom	1x - 12x variable		1x - 12x variable	
Effective Pixels	NTSC: 380k PAL: 440k		NTSC: 380k PAL: 440k	
Horizontal Resolution	NTSC: 480 TV lines PAL: 480 TV lines		NTSC: 480 TV lines PAL: 480 TV lines	
Scanning Area	Progressive 1/4" CCD		Progressive 1/4" CCD	
Scanning System	NTSC, PAL		NTSC, PAL	
Synchronization	Internal/Line Lock		Internal/Line Lock	
Video Output	1.0 Vpp / 75 ohm, BNC		1.0 Vpp / 75 ohm, BNC	
S/N Ratio (AGC OFF)	More than 49dB		More than 49dB	
Minimum Illumination	1 lux	0.01 lux, 0 lux (IR illuminator)	1 lux	0.01 lux, 0 lux (IR illuminator)
Focal Length	4-88mm	3.6-82.8mm	4-88 mm	3.6-82.8mm
Focus Mode	Auto/Manual		Auto/Manual	
White Balance	Auto/Manual		Auto/Manual	
Iris Control	Auto/Manual		Auto/Manual	
Electronic Shutter	NTSC: 1/2-1/4k sec PAL: 1/1.5-1/4k sec		NTSC: 1/2-1/4k sec PAL: 1/1.5-1/4k sec	
AGC Control	Auto/Manual		Auto/Manual	
Back Light Compensation	On/Off		On/Off	
OPERATION				
Built-In Protocol	ELMO, Pelco D&P, VCL, Philips, AD-Manchester, AD-422, JVC		ELMO, Pelco D&P, VCL, Philips, AD-Manchester, AD-422, JVC	
Pan Travel	360° endless		360° endless	
Tilt Travel	-10° to 100°	-10° to 190°	-10° to 100°	-10° to 190°
Manual Speed	1° to 90°/sec		1° to 90°/sec	
Presets	256		256	
Preset Accuracy	Pan: <0.225° Tilt: <0.45°		Pan: 0.225° Tilt: 0.45°	
Preset Speed	Pan: 5° to 400°/sec Tilt: 5° to 400°/sec		Pan: 5° to 400°/sec Tilt: 5° to 400°/sec	
Cruise	1		1	
Sequence	8		8	
Auto Pan	4		4	
Privacy Mask	X	8	X	8
Pan & Tilt (Proportional to Zoom Ratio)	Yes		Yes	
P/T/Z Auto-Restoring	Yes		Yes	
Auto Turn Around	Yes		Yes	
Zone Title	Yes		Yes	
Home Function	Yes		Yes	
Digital Flip	X	Yes	X	Yes
Digital Slow Shutter	X	Yes	X	Yes
Wide Dynamic Range	X	Yes	X	Yes
Day/Night IR Cut Filter	X	Yes	X	Yes
Alarm Input	8		8	
Alarm Output	2		2	
GENERAL				
Environment	Indoor/Outdoor		Indoor	
Controller Interface	RS-485		RS-485	
Operating Temperature	-30°C to 45°C (-22°F to 113°F)		0°C to 40°C (32°F to 104°F)	
Waterproof Standard	IP 66		X	
Dimensions	172 x 302.5mm (6.7 x 11.9 in) w/ Sunshield 190 x 302.5mm (7.5 x 11.9 in)		131 x 226mm (5.2 x 7.6 in)	
Weight	5.8k (12.9 lbs)		1.6k (3.5 lbs)	
Power Source	AC 24 V		AC 24 V	
Power Consumption	52 W (w/Heater)		30 W	
Regulatory	CE, FCC		CE, FCC	



ELMO Hi-Speed PTZ Color Domes



Complete solutions for
outdoor & indoor installations

ELMO

FOCUS ON THE FUTURE

ELMO Hi-Performance Hi-Speed PTZ Color Domes

With four indoor and outdoor configurations, ELMO's compact high-speed dome cameras offer the performance, flexibility and ease of installation that make them ideal for tightening security in shopping malls, transportation hubs, supermarkets, casinos, corporate centers and industrial facilities.

These 1/4" CCD color cameras with DSP circuitry deliver high (480TVL) resolution images with excellent color accuracy and a S/N ratio greater than 49dB. Heavy duty PTZ mechanisms are utilized to meet the demands of frequent movement and rapid changes in position. The ESD series cameras are compatible with the most common controls and ELMO DVRs or controllers.

All 4 models have these features

400°/sec pan, accurate tracking for maximum security

- Variable scan speed models, equipped with two types of precision motors, achieve high acceleration rate, smooth steady motion
- 360° continuous pan rotation at a travel speed from 5° to 400°/sec, operating from presets with 180° auto-turnaround
- Tilt travel, -10° to 100° (standard model); -10° to 190° (wide dynamic range model)
- Pan driver accuracy, of 0.225° and tilt driver, 0.45° to track distant subjects accurately
- Pan and tilt speed automatically adjust in proportion to depth of the zoom
- 256 programmable pre-sets pinpoint location of the target areas

User-friendly features speed setup, enhance image reproduction

- Simplified housing designs for faster, easier installation
- On-screen display for easy set up
- Auto Pan, Cruise, Sequence, and Preset for efficient scanning of a specific area
- 8 alarm inputs programmable for either normally open or normally closed operation
- Scheduling to set up a particular function to operate at a selected time
- Auto/manual focus; auto/manual iris, auto/manual white balance and backlight compensation for best image quality
- 24VAC operation

Day/Night, wide dynamic range cameras offer complete outdoor/indoor solutions

The ESD-380DR outdoor and ESD-370DR indoor day/night cameras, capture image details in difficult lighting conditions ranging from brilliant, glaring sunshine to near total darkness. These WDR design cameras can capture detailed images from dark areas without any saturation from adjacent bright areas and improve image quality in simultaneous indoor and outdoor light conditions.

- Digital Slow shutter and removable IR cut filters enhance capture capability for brighter images, even at lowest light levels.



High-speed Shutter Image
(Progressive)



Normal Exposure Image
(Progressive)

Compos
Technol



Day (Color Mode)



Privacy Zone Masking



Site Image by Wide Dynamic Range Technology



Night (B/W mode)



ESD-380
with gooseneck



ESD-370
with surface mount



ESD-370
with flush mount

- Digital flip always displays subjects in upright position as they pass under the camera or change direction, without tracking delays
- IR cut filter can be automatically or manually removed making it possible to capture color video with minimum illumination of 0.01 lux; B&W video with a minimum 0 lux (IR illuminator)
- 23x optical zoom (3.6 to 82.8mm); 12x programmable digital zoom, 276x magnification for detailed close-ups.
- 8-position privacy zone-masking protects selected areas against intrusive monitoring.

Full-featured Standard Models for cost-effective installations

The rugged, compact Standard Models, ESD-380S outdoor and ESD-370S indoor, offer highly-regarded proprietary optics.

- 22x precision optical zoom (4 to 88mm); 12x programmable digital zoom, 264x magnification
- Auto flip function for continuous tracking
- Minimum illumination of 1 lux

The Standard Models include almost all the features and capabilities of the WDR models except privacy masking, digital slow shutter, IR cut filter, digital image flip, day/night and wide dynamic range functions.

Everything it takes for complete outdoor and indoor installations

The compact ESD-380 IP66 weather-resistant outdoor housings with gooseneck mounts are ideal for outdoor and indoor installation. They withstand harsh weather and other environmental conditions. Equipped with a built-in sunshield, heater, blower, and mounting bracket, they can be installed under building eaves, on external walls, rooftops, almost anywhere.

The ESD-370 indoor cameras have a built-in fan and ship with a T-bar for recessed ceilings and standard mounting ring for hard surfaces.

A full line of accessories accommodates any outdoor or indoor requirement. Users can select from a variety of mounts, wall, corner, pole and ceiling based on installation conditions.

Backed by ELMO's trusted service and support, these hi-speed cameras offer all the fine performance and value for which ELMO stands.