

# Mini Sized Low-noise Day/Night PTZ Camera

A-QMD-1223D-P

<b>mini-size . fast speed . day-n-night . low-noise</b>		
<b>A-QMD-1223D-P</b>		<b>Feature List</b> <ul style="list-style-type: none"><li>■ modular for maximum business flexibility</li><li>■ Sony super-HAD CCD; 480-line High resolution</li><li>■ Optical zoom (23x ) + 10-time digital zoom</li><li>■ Pan 360°(continuous); Tilt 90° + auto-rotation;</li><li>■ High speed up to 300°</li><li>■ Slow shutter (frame integration) for low-light</li><li>■ ICR (IR-cut Removal) for day-n-night surveillance</li><li>■ Pelco™ D/P compatible, work with most keyboard / DVR</li><li>■ 64presets + 128 camera ID</li><li>■ Auto-run + Line-scan</li><li>■ 3 alarm-in + one alarm-out</li><li>■ Embedded, surface, pendant and wall mounts</li></ul>

## feature description

QMD-1223 speed dome is in nice-looking and mini size, and provides extra cost-performance value with abundant PT and camera functions, such as ICR, low-noise, 23x optical zoom, flexibility for indoor and outdoor ...

### modular for indoor n outdoor

QMD-1223 modules are designed to meet both of indoor and outdoor surveillance, through the simple integration with separated mounting kit or housing.

For indoor services, the QMD-1223 modules are to be attached to the installation kit QMK-100.

(upper-right).

For outdoor, the same module is to be assembled with DOH-2102, a double-layer housing (lower-right). DOH-2102 outdoor housing, which can be used for all the QMD models, is created with IP-66 water resistant capabilities.

With the power management software built in the PTZ, the QMD-1223 is assured for reliable function for all indoor and some outdoor surveillance.

### high speed . 360° + 180°

Moving speed of QMD-1223 is ranged from 0.25 to 300° / sec, which is decided by user through controller (such as keyboard, DVR or video server).

The QMD-1223 rotates continuously in horizontal direction, clockwise or counter-clockwise. For vertical direction, it moves 90° mechanically but will rotate automatically for both horizontal and vertical when hitting the edge, therefore may provide 180-degree view-range along to vertical axis..

The 360°+180° view ranges, plus the high speed, gives QMD-1223 series the power to grab target in short time.



### auto-run . line-scan

QMD-1223 has internal memory for 64 presets (including zoom and focus) for surveillance, and 128 numbers for camera ID

Presets are programmable for auto-run or line-scan. The first 16 of total 64 presets is automatically and equally partitioned into 4

groups for making surveillance to different positions or routes in different time periods (example: day, night or holiday). Panning between two specific points, in alternative name of line-scan, is also available in this PTZ.

During the event time, auto-run will be activated automatically to observe the areas that are pre-defined for monitoring.



### 23x optical zoom

QMD-1223 provides 23-time optical zoom and 10 times of digital. Focal length starts with 3.6mm, giving surveillance manager the wide and non-distorted range for view, while with the ability of watching specific target with the fast moving 23x zoom function. The self-calibrating function that is built in the camera will re-align the SSD-6981 periodically and automatically, ensuring the PTZ camera will run smoothly and correctly during its journey of work.

### low noise

The QMD-1223 camera's signal-to-noise ratio is more than 50dB, allowing the camera to deliver more clear image.

Video noise appeared in low-light is the primary killer to DVR performance, in terms of recorded image quality and HDD space. The low-noise image provided QMD-1223 not only makes great improvement on image clarity but also saves DVR's recording space, so that the overall efficiency and dependability of surveillance system will be significantly increased.

### high resolution-n-color . day-n-night

QMD-1223 PTZ camera uses Sony super-HAD CCD and provides 480-line high resolution image in detail and vivid color. Its lens has a built-in and removable IR-cut filter which will alter the position during low-light condition, to allow reflected infra-red light generated by separated IR illuminator to pass onto CCD – to produce clear image in black-white.

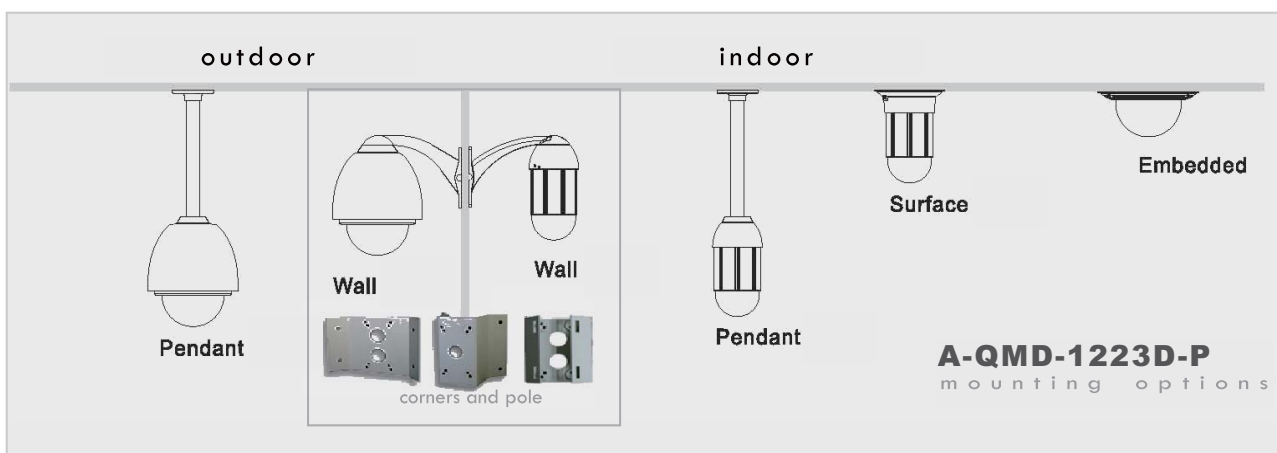
Should no IR source is supplied in dark, the slow shutter, a function available in OSD menu, will do great help in producing bright-enough image by accumulating 2 or more frames to make one picture. The DSS function will be disengaged when light is enough for keeping normal shutter speed.

### compact-size . easy-installation

QMD-1223 is in compact-size of 114mm (4-1/2 inch) of diameter and 138mm (7-3/4 inches) in height, and weighted less than 1.4Kg (3.1 Lb) – makes itself the most compact PTZ cameras with high optical zoom function and fantastic digital image effect available in today's world.

The compact size and weight allows QMD-1223 be installed indoor and outdoor easily, in 4 different ways of mount

The wall-mount bracket is further supported by two types of corner base and a pole-mount base as well (diagram on below).





			及 ICR ON	
	IR-Cut Removal (ICR)		auto / manual	
	zoom		manual	
	focus		auto / manual	
	iris		auto / manual	
	slow shutter / frame integration		2x, 4x, 6x, 8x, 12x, 16x, 32x, 64x	
	White balance		auto (ATW or AWB) / manual	
pan & tilt	pan range		360° continuous	
	tilt range		0 ~ 90°+ auto-rotation (view range: 180°)	
	speed	horizontal		0.25 ~ 300 ° / sec
		vertical		0.5 ~ 240 ° / sec
	between presets	horizontal / vertical		300 ° / 240 °
	dwel	second		1 to 255
	preset			64
	auto-run			all, group or two-spots (line-scan)
auto-pan speed	horizontal		2, 6, 12, 30, 60, 120 ° / second	
	vertical		2, 6, 12, 30, 60, 120 ° / second	
connectivity	video . power. RS85 . alarm		D-sub 14 pins	
communication	protocol		Pelco D , Pelco P	
	format		RS485	
	baud rate		2400, 4800, 9600	
	camera ID		128	
measurement	diameter x height	mm	114 x 180	
	weight	g	1400	
power	voltage	V	DC 12	
	current	mA	1000	
environment	water-resistant		IP-67	
	temperature	operation		-10°C ~ 50°C
		storage		-20°C ~ 60°C
	humidity	operation		85% RH
storage			85% RH	

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