

Ex-view Outdoor Fast Zoom & Focus PTZ Camera

A-QMD-3326D-P, A-QMD-3318D-P, A-QMD-3318S-P

Sony camera . fast zoom & focus . Privacy . Motion . 360°+180°
deliver the very best performance

Feature List

- IP-66 weather- resistant housing for outdoor
- Sony Ex-view CCD; 470-line High resolution
- Optical zoom (26x or 18x) + 12-time digital zoom
- Intelligent mask function to provide privacy
- Quick and precision control of zoom and focus
- Pan 360°(continuous); Tilt 180°; Speed up to 300°
- IRC+ slow shutter (frame integration) for low-light
- Pelco™ D/P compatible, work with most keyboard / DVR
- 64presets + 128 camera ID
- Auto-run + Line-scan
- Three alarm-in + one alarm-out
- Pendant and wall + corner and pole mounting brackets



Feature description

QMD-3300 series offers the best features and performance across the QMD line, in the aspect of image, zoom and focus, privacy and motion alarm... for both of INDOOR and OUTDOOR surveillance

indoor and outdoor

Although the QMD-3300 is built with housing, this PTZ can be used for both of indoor and outdoor surveillance --- not only because of the housing, which has fan and heater for crucial outdoor environment, but also the rich functions provided by camera for different requirements between indoor and outdoor.

Furthermore, the housing is supported by corner and pole mount bracket (pictures are in next page).

high speed . 360° + 180°

Moving speed of QMD-3300 is ranged from 0.25 to 300° / sec, which is decided by user through controller (such as keyboard, DVR or video server).

The QMD-3300 moves continuously in horizontal direction, clockwise or counter-clockwise. For vertical direction, its mechanical system allows the camera move 180° continuously before hitting the edge, therefore may provide 180° scan and surveillance range along to vertical axis. The 360°+180° scan ranges, plus the high speed, gives QMD-3300 series the power of grabbing target in less than 1 second, around all directions.

fast zoom and focus

One of the many items of great performance that QMD-3300 series promises is the fast and stable zooming / focusing. The lens may complete the whole zoom trip (maximum to minimum) in about 2 to 3 seconds, and have focus caught nearly at the same time the zoom position is decided. Image keeps stable and clear during the adjustment of image size.

low noise

The QMD-3300 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 SSD-3300 series 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 is highly increased.

high resolution . day-n-night

Both QMD-3326D and 3318D PTZ use Sony Ex-view CCD and provides 470-line high resolution image with wonderful detail. Its lens has a removable IR-cut filter, which will be removed from its position during low-light condition, to allow the 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 help in producing bright-enough image by accumulating more frames to make one picture. The DSS function will be disengaged when light is enough for keeping normal shutter speed.

privacy protection

Privacy protection against surveillance is enforced by law in many countries and regions. While this is difficult for regular PTZ cameras due to their ability of changing position and image size at the will of users, QMD-3300 series comes with advanced mask function to meet the law requirements. 24 masks are available for independent targets, with the ability of sticking on the targets -- for size, pan and tilt positions -- during all the different PTZ operations.

Three color options are offered in setup menu for contrast match.

intelligent motion detection

Motion detection is a popular function for surveillance system management. But it's difficult to make such software motion detection, which is commonly adapted by regular PTZ cameras, work properly due to the complexity of motion factors and corresponding responses.

QMD-3300's motion function has 13 options that checks different primary factors of focus change, exposure variation, object escape and new insertion, or the mixture of them.

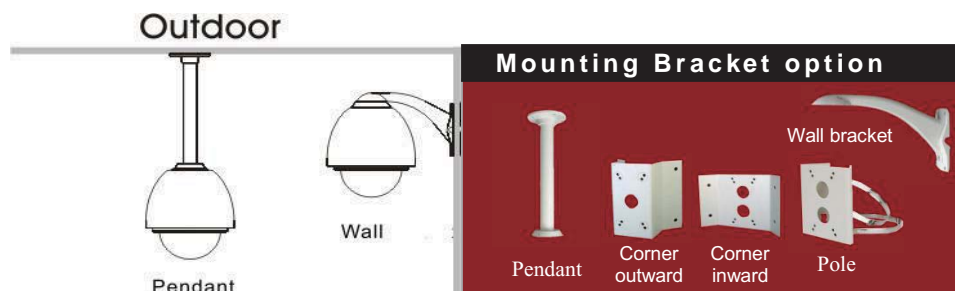
auto-run . line-scan

QMD-3300 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.

Specification

v 1.0

function		A-QMD-3326D-P	A-QMD-3318D-P	A-QMD-3318S-P	
Image sensor	type	1/4-inch, Sony Ex-view CCD		1/4"Sony super-HAD	
	pixel	NTSC / PAL	380K / 440K		
	scanning	lines / fields	525 / 60 (NTSC) , 625 / 50 (PAL)		
	Electronic shutter	1/60 (50) ~ 1/10,000 / sec (8 steps)			
video	resolution	Color mode		470 lines	
	S/N ratio	> 50 dB			
	output level	1.0 Vp-p (75 ohms)			
Optics	zoom (optical / digital)	26x / 12x	18x / 12x		
	iris	F1.4 ~ 3.8	F1.4 ~ 3.0	F1.6 ~ 3.2	
	focal-length	3.5 ~ 91mm	4.1 ~ 73.8 mm		
	Minimum luminance (lux)	Color (1/60; 1/50)	1.0	0.7	0.7
		B/W (DSS 1/4; 1/3)	0.07	0.1	--
		ICR ON (1/4; 1/3)	0.01	0.01	--
	IR-Cut Removal (ICR)	auto / manual		not available	
	zoom	control	manual		
		speed	less than 4 sec		
	focus	auto / manual			
iris	auto / manual				
slow shutter	auto				
white balance	auto (ATW or AWB) / indoor / outdoor / manual				
pan & tilt	pan range	360° continuous			
	tilt range	0 ~180 °		90° + auto-rotation	
	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	BNC			
	Power	Terminal Block			
	RS485	Terminal Block			
	Alarm I/O	Terminal Block (input x 3 / output x 1)			
communi-cation	protocol	Pelco™ D and P			
	format	RS485			
	baud rate	2400, 4800, 9600			
	camera ID	128			
measurement	diameter. height	mm	150 φ x 262 mm		
	weight	g	4200		
power	voltage	V	AC24V		
	Consumption	watts	40 W		
environment	temperature	operation	-10°C ~ 60°C		
		storage	-20°C ~ 60°C		
	humidity	operation	85% RH		
		storage	85% RH		



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