

# RYK-H233, H234, H235



HDCCTV Full HD CMOS Speed Dome

## FEATURES

- 1/2.8 3.0 Megapixel Progressive Scan CMOS
- Sony "Exmor" Technology Support Min. Illumination
- 1080P Full HD Resolution Support
- Real Time Video up to 30FPS
- 18x Optical Zoom
- Built-in IR-Cut Removable (ICR) Model
- 360°Continuous Pan
- Auto Flip Control
- Auto Calibration
- Support SONY VISCA Protocol
- Built-in Heater & Fan for Outdoor Type [RYK-H223, H224]



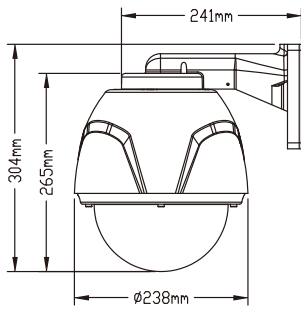
RYK-H233

RYK-H234

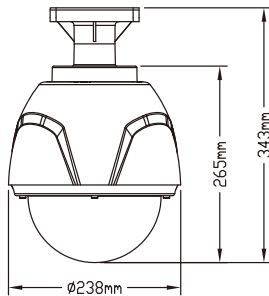
RYK-H235



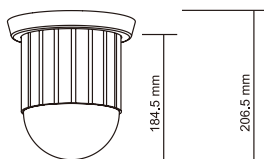
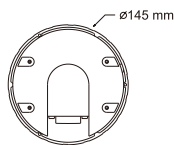
## DIMENSIONS



RYK-H233



RYK-H234



RYK-H235

## SPECIFICATIONS

Model No.	RYK-H233	RYK-H234	RYK-H235	
VIDEO	Image Device	1/2.8" Color Sony Exmor 3.0 Megapixel CMOS		
	Picture Elements	Approx. 3M (1920H x 1080V)		
	Resolution	720_50i / 720_60i : 720_25p / 720_30p 1080_50i / 1080_60i : 1080_25P / 1080_30P		
	Illumination	0.1 Lux @ F1.2 Color Mode		
	S/N Ratio	More than 50dB		
	Electronic Shutter	Auto: 1/50~1/100,000 Manual: 1/50(60), 1/100(120), 1/250, 1/500, 1/1000, 1/3000, 1/5000, 1/100,000		
LENS	Gamma	0.45		
	Lens Drive Type	Mototized 18X Zoom		
	Focal Length	f=4.7 mm (wide) to 84.6 mm (tele)		
	Angle of View	54.1°(wide end) to 3.2° (tele end)		
	Aperture Range	F1.6 to F3.5		
	Aspect Ratio	16:9		
PAN / TILT	Iris Control	Auto / Manual		
	Mini. Shutting Distance	0.01m (Wide), 1.5m (Tele)		
	Angle	Pan : 360° (Endless), Tilt : - 8° to +90° Preset: Pan 1~300°/sec, Tele 1~200°/sec Manual: Pan 1~150°/sec, Tele 1~100°/sec		
	Panning/Tilting Speed			
	Accuracy	±0.25		
	Coordinate	X, Y, Z		
DAY / NIGHT	Sequence	6 Groups		
	PTZ mode	Preset / Swing / Group / Pattern		
	IR-Cut filter Removable	Yes		
	Day & Night	Auto / Day / Night / External		
	On-Screen-Display (OSD)	Yes		
	Language	English		
FUNCTIONS	Focus Mode	Auto / Manual / Push Auto		
	Zoom Speed	To-be-decided		
	Preset Point	256 Point		
	Digital Zoom	N/A		
	Wide Dynamic Range (WDR)	On / Off		
	Digital Noise Reduction (DNR)	On / Off		
	Digital Slow Shutter (DSS)	On / Off		
	White Balance	Auto / Indoor / Outdoor / Manual / Push Auto		
	Gain Control	Auto		
	Back Light Comp.	On / Off		
	Flickerless Mode	On / Off		
	Mirror	On / Off		
	Freeze	On / Off		
	Positive / Negative	On / Off		
	Motion Detection	On / Off		
	Privacy Masking	On / Off		
GENERAL	Camera Title	Yes		
	View Mode	CRT / LCD / User		
	Weatherproof	IP66		-
	Heater	Yes		-
	FAN	Yes		-
	I/O Interface	8 D/I, 1D/O		
	Remote Control	Pelco D/P		
	Baud Rate	9600		
	Sync. System	Internal / External Line Lock		
	Video Output	HD-SDI (BNC)		
	Dimension	Refer to the Dimension Diagram		
Power Supply	DC12V (Optional: AC24V)			
Power Consumption	To-be-decided			
Operating Temp.	-40°C ~ 50°C (-40°F to 122°F)		-10°C ~ 50°C (14°F to 122°F)	