

MODEL		MR-108				MR-038	
CAMERA							
Image Sensor		1/3" Panasonic CMOS Sensor					
Total Pixels		1956 (H) x 1266 (V) = 2.48M Pixels					
Active Pixels		1944 (H) x 1092 (V) = 2.12M Pixels					
Video Format		1080p@60/50fps, 1080p@30/25fps, 720p@60/50fps, 720p@30/25fps					
Min. Illumination	Color	0.5 lux / DSS 0.125 lux					
	BW	0.1lux / DSS 0.025 lux					
	IR-LED	0 lux					
S/N Ratio		more than 50dB (AGC off)					
Video Output		HD-SDI, EX-SDI, CVBS					
LENS		10x				3x	
Lens Type		10x Day & Night Zoom Lens				3x Day & Night Zoom Lens	
Zoom Ratio		Optical 10x, Digital 32x Zoom				Optical 3x, Digital 32x Zoom	
Focal Length		f = 5.1mm ~ 51mm				f = 3mm ~ 9mm	
Aperture Ratio		F1.6 (wide) ~ F1.8 (tele)				F1.3 (wide) ~ F2.2 (tele)	
Angle Of View (D, H, V)	WIDE	68°	54°	31°	119.0°	93.0°	68.3°
	TELE	6.7°	4.9°	4.0°	39.6°	31.7°	23.8°
CAMERA FUNCTIONS							
Camera Title		ID / Title / Zoom Ratio / System Message					
Day & Night		Auto / Day / Night / Ext-in					
WDR/BLC		OFF / WDR / BLC / HLC					
ACE		Off / Low / Middle / High					
DNR		Auto / Off / Low / Middle / High					
Defog		Off / On(Auto / Manual)					
Image Stabilization		Off / On					
Motion Detection		Off / On (3 positions)					
Privacy Mask		Off / On (24 positions)					
Digital Slow Shutter		Off /x2 /x4					
Gain Control		Off / On					
White Balance		Auto / One Push / Manual / Indoor / Outdoor					
Shutter Speed		1/30(25) ~ 1/30,000 sec					
E.Zoom		Off / x2 ~ x32					
Digital Flip		Off / H / V / H&V					
Digital I/O		1 input / 2 output					
Remote Control Interface		RS-422, 485					
Protocol		Pelco-D / Pelco- P / WONWOO					
GENERAL							
Power Source		AC24V / DC12V					
Power Consumption		1.5A(AC24V) / 2A(DC12V)					
Operating Temperature		-20°C~50°C / 90% RH					
Ingress Protection		IP67/IK10					
Material		Aluminum / PC					
Dimensions		118(W) x 63(H) X 119(D)					
Weight		1.12Kg					