



Fast & Silent Motion

Lightning Speed : MAX. 360°/sec
 Smooth Manual Speed : MIN. 0.05°/sec
 Endless 360° Pan Rotation
 Lowest Noise & Vibration
 Shortest Path by Vector Drive Technology
 High Accuracy with Micro-Stepping

Superior Zoom Camera

X220 Zoom Control (Optical X22, Digital X10)
 Day & Night (Digital Slow Shutter)

Powerful Functions

128 Preset Positions with Alphanumeric Labels
 Pattern, Swing and Group Functions
 Privacy Zone
 Sensor In/Out (8 Input / 4 Output)
 Small Size (130mm Diameter)
 Network Video Function (Optional)

Model		NTSC-22
Signal Format		NTSC
Camera	Image Device	1/4" Sony Super HAD CCD
	Effective Pixel	380K Pixels [768(H) x 494(V)]
	H. Resolution	480 TV Lines
	S/N Ratio	More than 48dB (AGC OFF)
	Zoom	x22 Optical Zoom and x10 Digital Zoom
	Focal Length	F1.6, f=3.9~85.8mm
	Min. Luminance	1.0 Lux (Day) / 0.001Lux (Night, DSS)
	Day & Night (ICR)	Auto / Day / Night (DSS)
	Focus	Auto / Manual
	Iris	Auto
	White Balance	Auto / Manual / Indoor / Outdoor
	BLC	On / Off
Pan/Tilt	Range	Pan : 360° (Endless) / Tilt : 90°
	Pan/Tilt Speed	Preset : 360°/sec
		Manual : 0.05° ~ 160°/sec (Zoom Proportional)
		Swing : 15° ~ 60°/sec (Zoom Proportional)
	Preset	128 Presets
	Pattern	4 Patterns (Max. 1 Minute Each)
	Swing	8 Swings
	Group	8 Groups (Max. 20 Entries)
Other Functions	Auto Flip, Auto Parking, Power Up Action	
General	Communication	RS-485
	Protocol	Pelco-D, Pelco-P Selectable
	Privacy Zone	8 Zones
	Sensor In/Out	8 Input / 4 Output (Optional)
	OSD	Menu / PTZ Info.
	Fan/Heater	Built-in
	Power	AC 24V / 21A
	Dimension - Dome	Dome : 130mm (Dm)
	Dimens. - Housing	135mm(Dm) X 206.5mm(H) / 5.31"(Dm) X 8.13"(H)
	Weight	Approx. 1.5Kg / 3.3Lbs
Operating Temp.	0C ~ 40C / -32F ~ 104F	

* Specification & Design are subject to change without prior notice



3 Dimension Controller (Optional)