



Features

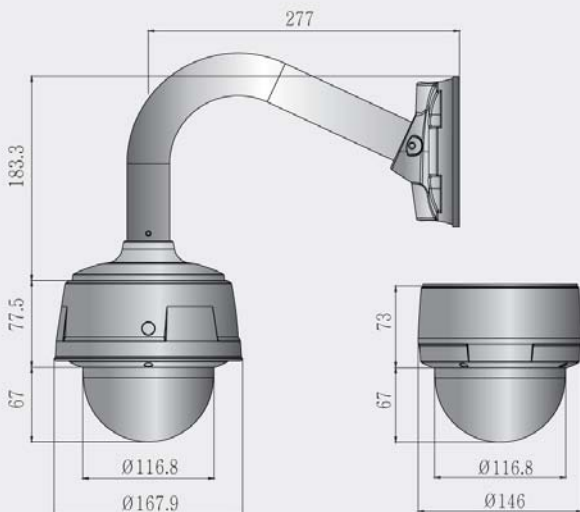
- 144x Zoom(12x Optical / 12x Digital)
- User Friendly Installation
- An angle of direction display
- 127 preset positions
- Pan/tilt maximum rotating speed is 360°/sec
- Electronic sensitivity-up (DSS)
- TDN(ICR), 3D-DNR, XWDR
- Auto focus, Auto parking functions
- Electric Flip function
- Built-in Fan/Heater (Option)

Avail. In optional models

- SMB-20Z12F / SMB-21Z12F : Without Sun-Shield, Wall Mount Bracket



DIMENSIONS



SPECIFICATIONS

Model	SNB-22Z12FW	SNB-23Z12FW
Signal System	NTSC	PAL
Scanning System	2:1 Interlace	
Scanning Frequency (H)	15.734 KHz	15.625 KHz
Scanning Frequency (V)	59.94 Hz	50 Hz
Image Sensor	1/4 Inch IT CCD	
Total Pixels	811(H) x 508(V) 410K	795(H) x 596(V) 470K
Effective Pixels	768(H) x 494(V) 380K	752(H) x 582(V) 440K
Horizontal Resolution	550 TV Lines (B/W 600TV Lines)	
Video Output Level	1.0V p-p (75Ω, Composite)	
S/N Ratio	More than 52dB(AGC Off)	
Lens	12x Optical, 3.68(W)mm~43.53(T)mm, F1.65(W) ~ F1.99(T)	
Digital Zoom Ratio	1x ~ 12x	
Iris Control	Auto/Manual (0~100)	
Panning/Tilting Ratio	Pan: 360° endless rotation; Tilt: 90°	
Panning/Tilting Speed	Manual: 0.1° ~ 360°/sec (Zoom Proportional)	
Preset	127 position with Labels	
Swing / Pattern / Group	8 Swings/4 Patterns (about 5min/Pattern)/8 groups (max. 20)	
OSD	Multi-Language (English, Chinese, Spanish, Portuguese, Turkish, Russian, Czech, Korean)	
Back Light	BLC / WDR / ECL / Off	
Digital Slow Shutter	Off / Auto(x2~x128)	
3D-DNR	Low / Middle / High / Off	
White Balance	AWB / ATW / Manual (Red, Blue Gain, Adjustable)	
Brightness Control	Adjustable (0~100)	
Power-up Action	Resume the last action executed (Preset, Swing, Group)	
Auto Parking / Flip	ON/OFF; Flip (Flips the image when the Tilt angle goes over 90°)	
Alarm I/O	4 Inputs, 1 Output	
Operation Temp.	0°C ~ +40°C / -30°C ~ +50°C (Heater)	
Electronic Shutter Speed	1/60~1/90,000 Sec.	1/50~1/90,000sec.
Supplied Voltage	24VAC	
Power Consumption	Max. 1.5A (Heater On)	
Dimensions(ØxH)	Dome: 116.8(Ø) x 140(H)mm / Housing: 146(Ø) x 140(H)mm	
Weight	Approx. 2.9Kg (with Wall Mount)	