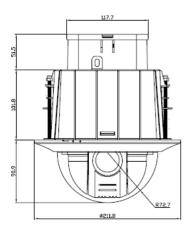


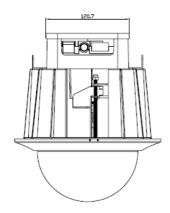
X20 HD INDOOR **IP PTZ CAMERA**

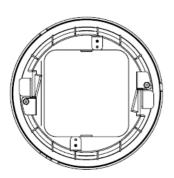
PTIN-2012N-DP PTIN-2012P-DP

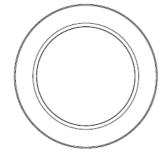


Dimension









1. GENERAL FEATURES

- x240 Zoom Control (Optical x20, Digital x12)
- 5.7" Bubble dome enclosure
- Endless 360° Pan Rotation
- Lightning Speed (MAX. 360°/sec) & Smooth Manual Speed (MIN. 0.05°/sec)
- Ultra Low Vibration due to S-curved acceleration & deceleration.
- Day & Night (ICR)
- 1024 Preset Positions with Alphanumeric Labels
- 128 Pattern, 128 Scan and 128 Group Functions
- Power-up Action, Parking Action
 Built-in 2 Sensor Inputs and 1 Relay Output

2. PTZ FEATURES

Micro-Step Technology

Due to the Micro-stepping technology, one step angle is divided by 256. Accordingly, high accuracy as well as ultra low sound noise (under 60dB) can be achieved. Micro-stepping technology enables ultra low speed down to 0.05°/s for high zoom operations.

Vector Driving

Based on the shortest time and the smallest cost concept, each Pan and Tilt motion is done with simultaneous and harmonious manner by Vector drive technology.

3. IP FEATURES

Real-time High Definition Speed Dome Camera

Using the state of art video compression engine, real time HD video streams of 1080p and 720p can be delivered for recording and monitoring.

Triple codec, Simultaneous Multi-Streaming

Triple H/W codec enables to transmit Max 3 independent streams with different settings for different requirements. Therefore, it is possible to combine seamless remote video monitoring using H.264 with simultaneous transmission of high quality MPEG-4 to Network Video Recorder. Also, additional MJPEG can be delivered for Mobile devices such as Smart Phone or PDA.

Local SD Card Backup

Some important sequence of still images can be stored in the SDHC memory card. This action can be configured to work with pre-postalarm event or a given interval.

4. UNIQUE FEATURES

Virtual Joystick on the Image

Virtual Joystick is inspired by real 3-Axis Joystick. You can decide PT direction by right clicking the image and change the zoom in out by scrolling mouse wheel. The PT speeds are proportional to how much you deviate mouse from the center. Using this function, control of PTZ is done in instinctive manner.

Auto Map Generation

After installing PTZ, make camera to generate the Scenery Map autonomously. It will process and stitch a series of pictures to make one overall Scenery map. Using Scenery map, you can quickly switch one place to another. By drawing a bow on the map, PTZ will move to the center of the box as well as adjust zoom ratio to match the box.

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Secubest DIGITAL SURVEILLANCE SYSTEMS



Specification

CAMEDA		
CAMERA		
Image Device	1/2.8" 2.0 Mega Pixel CMOS	
Effective Pixels	Approx. 2 Mega pixels	
Aspect Ratio	HD: 16:9 SD: 4:3	
Zoom	X20 Optical Zoom / X12 Digital Zoom	
Focal Length	f = 4.7 ~ 94.0 mm, F1.6 ~ F3.5	
Horizontal angle	55.4°(W) ~2.9 °(T)	
MIN. Illuminance	Color: 1.0 Lux B/W: 0.5 lux	
Day & Night	Auto / Day / Night (ICR)	
Focus	Auto(Near Limit setting)/ Semi Auto/ Manual	
DNR	Level Adjustment(1~3)	
Shutter Speed	1/2 ~ 1/60,000 sec	
AGC	Auto / MANUAL / MAX Gain Limit	
White Balance	AUTO/Manual/Indoor/Outdoor/One-Push	
WDR	AUTO / MANUAL	
Other Functions	POWER UP ACTION, Auto Flip, Parking Action	

PAN / TILT		
Range	Pan : 360°(Endless)	
	Tilt: 90°	
Pan/Tilt Speed	Preset : 360°/ sec	
	Manual : 0.05°~360°/sec (Zoom Proportional)	
	Scan : 1°~ 360°/ sec	
Preset	et 1024 Presets with Labels	
Pattern	rn 128 Patterns	
Scan	128 Scans	
Group	128 Groups (MAX. 20 Entries for Each Group)	

GENERAL		
Sensor In/Out	Built-in 2 Input / 1 Output	
Video Out	BNC: VBS 1.0 Vp-p	
Power	AC 24V/DC 12V 23W hPOE(IEEE 802.3at) 40W	
Approvals	FCC, CE, ROHS	
Material	Body: Plastic Clear Bubble: Polycarbonate	
Dimension	Net (ØxH): Ø211.8 x 244.2(H) mm	
Weight	Net: 1.75 Kg, Package: 2.4 Kg	
Operating Temp.	-10°C ~ 50°C / 14°F ~ 122°F	

NETWORK				
OS		Embedded Linux		
DSP		TI DM368		
Video Compression		Triple Codec,H.264/MPEG4/MJPEG		
Video Streaming		Multi Streaming CBR/VBR (Controllable frame rate and Bandwidth)		
Resolution		All Codec:1080p,720p,D1,CIF MJPEG: QCIF		
Frame Rate		Max. 30 fps for 1080p/720p/D1/CIF/QCIF		
Audio Compression		Two way, G.711 PCM. μ-law 64kbps 8kHz		
Local Storage		SDHC memory card (Card is not included)		
Motion detection		Notification: FTP, e-mail, Alarm out, JPEG Recording on SD		
Alarm		Pre-Pos Alarm		
Max No. of Clients		5		
	IPv4	ONVIF, TCP/IP, UDP/IP, RTP(UDP), RTSP, NTP, HTTP,HTTPS, SSL, DNS, DDNS, DHCP, FTP, SMTP, ICMP, SNMPv1/v2c/v3(MIB-2)		
Protocols	IPv6	TCP/IP, HTTP, HTTPS, DHCP		
Support	DDNS	Proprietry: NET4C Pubblic DDNS services Suport: www.dyndns.com, www.no-ip.com		
	Security	HTTPS(SSL), Digest Authentication(ID/PW)		
OS Supported		Windows 7, Vista, XP		
Web-Viewer functions		Auto map, Virtual Joystick, Power PTZ		

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