



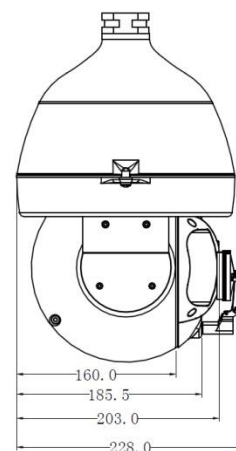
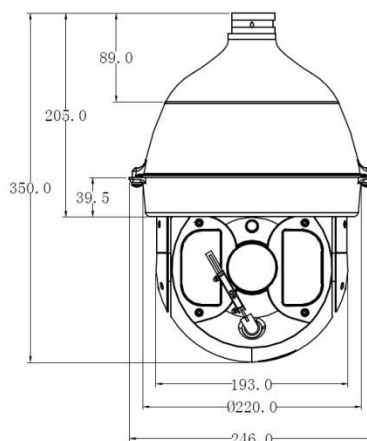
Features

- 2M Pixel Network PTZ Camera (1920x1080P @ 30fps)
- 20X Optical, 12X Digital Zoom Lens
- H.264, H.264/MJPEG Dual Streaming
- 1/2.8" CMOS Sensor / **Sony Zoom Module**
- WDR(Wide Dynamic Range)
- DNR(Digital Noise Reduction)
- De-interlace 3D Filter
- **WIPER Default Installed**
- Mechanical IR Cut Filter for True Day & Night
- 512 Preset (title, Time Setting)
- **Scheduling (RTC inside)**
- IR Max. 180m Distance
- Min, Distance Moving (Vector Scan function)
- **shock Detection Sensor**
- **Home Positioning**

Key function

- 1/2.8" Exmor CMOS
- Compression : H.264 (MJPEG)
- Max. 30 frame
- X.Y Coordination
- OSD (24 Character)
- Two Communication
- Wiper (Clean Windows)
- RS-485
- RTC inside (Focus & observation by time schedule)
- IR (Bright at night)
- **Shock Detection Sensor Inside**
- **(Go to area where detecting point)**
- Sensor/Motion Detection Data Transmission
- RJ-45 UTP,10/100 base-T Ethernet

Dimensions



Specification

- Image Size / Frame
2048x1536(NTSC) Max. 30 Frame
1920*1080P Max. 30 frame
- 6 X Motion Detection
- Audio : G711/G726/ADPCM
- MIC: S/N Ratio-More than 60dB
- TCP, IP, HTTP, DHCP, PPPoE, FTP, DNS, DDNS, NTP, ICMP,SNMP, SMTPE, UPnP, RTP, RTSP, ONVIF
- Ethernet : 10/100base-T Fast Ethernet
Auto Negotiation
- Remote Monitoring SW
: UP to Explorer 5 (O/S: Windows 97 / XP/Vista)
- In/Output : 4 X Sensor In, 2 X Relay Out, 1Port RS-485
- Built in Web server & Network Connection
- Audio 1 Input/1 Output
- SD CARD (OPTION)
- IPv4, 6 Support

MODEL NO	DY-IR2020HD	
CAMERA	Effective Pixels No	1920 X 1080P, 3M Pixel
	Signal System	NTSC Standard : 525 line, 30Frame/sec
	Pick-up Device	1/2.8" 2 Megapixel Progressive CMOS sensor
	Minimum Distance	10 ~ 1000mm
	S/N Ratio	More Than 50dB
	Min Illuminance	0.002 lux(ICR ON)
	Signal Output	HD-SDI(option), BNC, CVBS
	Zoom	Optical 20X / Digital 12X
VIDEO	Compression	Main Streaming : H.264/MJPEG
		Secondary Stream : H.264/MJPEG
AUDIO	Input	1 Line in
	Output	1 Line out
PAN/TILT	Preset	512 Position
	Preset Speed Control	Low, Middle, Fast (360°/Sec)
	Preset Individual Name Setting	On/Off
	Preset Speed /Tilt Speed	Pan 0~360° (Endless), Tilt 0 ~90°/Sec
	Max Pan Speed	Pan 360°/Sec
	Digital Flip	On/Off
	Control Method	RS-422/485
	Cam ID Control	256 Connect
	IR Distance	Max. 180m
	IR Degree	Wide 60, Tele 15 degrees
	Shock Detect Sensor	YES
Function	Zone Function	Yes
	WIPER	YES
	Cam ID Change By Data	Yes
	Power On/Off Data Control	Yes (OSD Menu)
	SCAN	8Programmable
	PATTERN	5 Pattern(360sec)
	SWING / Preset Position	Yes
	Alarm Input	4 Input 2 relay Output
	Outage Recover Function	Yes (Last Memory keeping)
	GROUP	8 Group
	TOUR /Vector/Zoom Speed Control	8 Tour /All YES
	DATA Memory Back Up	Yes
	Character Display	24 Character
	Privacy Zone	8 Position (On/Off)
	Expression of X,Y coordinates	Yes (On/Off)
	FAN/Heater	2 X FAN, 1 x Heater
	Time Scheduling	RTC inside
NETWORK	Compression	H.264 Dual Stream
	Resolution	QXGA,UXGA,1080P,720P,4 CIF,VGA,CIF,QVGA,QCIF,QQVGA
	Bit Rate	32Kbps ~ 20Mbps
	Frame Rate	30fps Up to 1080P, 10fps@2048X1536P 30/25(NTSC/PAL)fps All Resolution
	Ethernet	Ethernet 10/100 Base-T(RJ-45)
	Audio	Two way Full Duplex(Stereo) G.711/712
	Protocol	TCP/IP, HTTP, DHCP, PPPoE, FTP, DNS
		DDNS,NTP,ICMP,SNMP,SMTPE,UPnP,RTP,RTSP,ONVIF
GENERAL	Camera Protocol	Pelco D/P etc
	Self Check function	Yes
	HOME POSITION	Yes
	Fog Deduction Function	Yes
	OSD	Yes
Operating Temp		-40°C ~ 70°C / 0~90RH % Under
Material		Aluminum
Power Supply		AC24V 60Hz/35W (± 2w)
Weight		Main : 7kg (Housing + Bracket : 5.73Kg)
Dimension		Main : Ø193 × 350(H)