Product Name：NR-UV90-BM-HD HD IP high speed Pan Tilt camera series
Model No：NR-UV90A-BM

Main Feature

Uniquie feature：

● The body is made from 5mm-15mm al-alloy material, firm and airproof ;

● Flat designed optical window uses 5mm tempered glass, can prevent distorted images and protect the built-in integrated
    camera ;

● IP66 waterproof design standard with wiper;

● One pair of IR lamps available, IR distance more than 80 meters(outdoor environment);

● Multi installation modes: UP, DOWN , UP30 degree selectable;

Pan/Tilt Features：

● Step motor with gearbox, accurate position and quick responds;

● Integrated design, attractive appearance;

● Stable operation without dithering and noise;

Camera Features：

● Built-in HD integrated zoom camera module

● Black Light Compensation function;

● Color or B&W image switching function;

● Video WDR;

● Video Stabilizer

● Privacy zone masking function, up to 24 privacy zones;

● Video freeze function;

Built-in decoder feature:

● Power off memory function, can record the movement before power off;

● Powering on self-restoring function: users can assign the camera and pan/tilt movement after powering on;

● Change speed proportionally---Pan/tilt speed and the depth of zoom lens decline proportionally;

● Virtual home position can be set;

● auto pan scanning function, tilt angle can be set

● high performance video processing chip and H.264 video coding, support 720p high resolution video image

IP feature:

• support TF local atorage, max 32GB,

• support traversing NAT, NDS, Multicast technology

• support motion detection alarm, and video loss alarm

- insert main and sub stream, main stream support multi resolution
- support image capturing, default format is JPG
- support static address, DHCP or PPPoE

protection feature:

- build-in surge and lightning protector
- wiper, heater, fans build-in
- IP66, CE,FCC, ROHS appliance
- dual stream, support different bandwidth application
- Multi IP protocol and perfect IP applicability, for different network application
- motion detection and alarm linkage for intelligent video surveillance application
- built-in web server for better management and setting

Order No.

UV90-BM-HD-1-H18 Hitachi 18x 1.3megapixel PTZ

UV90-BM -HD-2-S20 Sony 20x 2megapixel PTZ

UV90-BM -HD-IR-1-H18 Hitachi 18x 1.3megapixel 850nm IR PTZ

UV90-BM -HD-IR-2-S20 Sony 20x 2megapixel 850nm IR PTZ

Technical Parameters

Model	UV90-BM-HD-1-H18	UV90-BM-HD-IR-1-H18	UV90-BM –HD-2-S20	UV90-BM-HD-IR-2-S20
camera				
Image Sensor	1/3 CCD		1/2.8 inch CCD	
scan system	progressive		progressive	
pixel	1.3 million		2 million	
Focal length	f=4.7-84.6mm		f=4.7-94mm	
angle	3.2°（far）～55.2°（near）		2.9°（far）～55.4°（near）	
zoom	18x optical /12x digital		20x optical/12x digital	
Zoom speed	5.2 sec		4.9 sec	
focus	Auto/manual		Auto/manual	
Len Iris	F1.6～F36.2		F1.6～F3.5	
Iris control	Auto/manual		Auto/manual	
Low lux	1.8lux 1/30s IrcfON		0.095lux 1/30s IrcfON	
	0.5lux 1/4s IrcfON		0.005lux 1/4s IrcfON	
	0.02lux 1/4s IrcfOFF		0.26lux 1/4s IrcfOFF	
shutter speed	Auto/manual		Auto/manual	
gain control	Auto/manual		Auto/manual	
White balance	Auto/manual		Auto/manual	
BLC	Open/off		Open/off	
Day/night	YES		YES	
WDR	YES		YES	
S/N	>50DB		>50DB	
Video coding				
format	H.264		H.264	
resolution	Main stream 720p（1280×720）, sub stream（640×320）,（320×280）, support dual stream		Main stream 1080p（1920×1080）, sub stream（640×320）,（320×280）, support dual stream	
Video code rate	32Kbps～16Mbps		32Kbps～16Mbps	
Video frame bitrate	1～25 frame/sec		1～30 frame/sec	
Title OSD	Supports channel name, date, and video stream information overlay;OSD location is adjustable		Supports channel name, date, and video stream information overlay;OSD location is adjustable	
Image adjust	brightness，contrast，saturation		brightness，contrast，saturation	
Outside interface				
Web interface	1×10Base-T/100Base-TX，RJ45interface			
Alarm interface	2×switch In，1× switch Out			

Storage interface	1×TF card interface，build-in			
Audio interface	1x line in，1xline output			
network protocol and feature				
protocol	TCP/IP，ARP，ICMP，FTP，RTP/RTCP，NTP，DNS，DDNS，SNMP，PPPoE			
feature	Support heartbeat detection, intelligent retransmission restructuring,trasversing NAT，ANR			
Application				
Application	alarm linkage, voice monitoring and talkback			
Setting and maintenance	1）support web browser configuration managemant and video browse			
	2）can connect to platform(NVR) for parameter configuration and status management			
System integration support	offer fully functional API, video decoding activex, SDK, and developer file			
Mobile monitoring	Support Windows Mobile、Symbian、iPhone smart phone monitoring			
IR parameter				
IR distance	None	100m	None	100米
angle	None	50º	None	50º
Wave length	None	850nm	None	850nm
IR /laser consumption	None	9*2W	None	9*2W
Eletrical parameter				
Input voltage	Standard 24VAC			
Power adapter	AC24V/3A			
Input power	30VA（no heater）；40VA（with heater）			
Working temperature	-40ºC ～ +55ºC			
Working humidity	10%-90%			
Structural				
Material	Aluminum Alloy			
Glass	4.5mm high intensity optical coated glass			
Weight	10KG(UV90-BM-HD)；12KG(UV90-BM-HD-IR)			
Color	Black, white(option)			
Body Dimension	Φ177mmx398mm(UV90-BM-HD)、405mmx177mmx398mm(UV90-BM-HD-IR)			
Package size	530x410x290 mm(UV90-BM-HD)、530X510X290 mm(UV90-BM-HD -IR)			
Package material	Carton+ Pearl cotton			
Accessories	AC24V/3Apower，Manual(x1)，Warranty card(x1)、Certification(x1)			
Environment				
Working temperature	-40ºC ～ +55ºC			
Storage Temperature	-10°~ 60°			
Working Humidity	20%~ 90%			
Storage Humidity	20%~ 80%			
Application	Outdoor, Indoor			
Transportation	Unlimited			
Grade of Protection	IP66(Outdoor), Built-in surge and lightning protection devices			