



Product Name : NR-UV20-HD/UV20-HD-IR/ NR-UV20-HD-LS series HD IP high

Model No : NR-UV20-HD



**Main Feature :**

**Pan tilt feature :**

- Step motor driving, providing accurate position and quick response
- Manual speed: 0.1°-80°/sec for pan; 0.1°-40°/sec for tilt
- Preset speed: 80°/sec for pan; 40°/sec for tilt
- changeable auto-touring speed can be set from 1°-40°/sec

**Camera feature:**

- Built in high definition integrated zoom camera
- BLC
- Day/Night image
- WDR

**build-in decoder feature:**

- Build-in OSD menu, camera, pan tilt function can be set
- 255 preset position, error less than  $\pm 0.1^\circ$
- Auto flip function
- Change speed proportionally-pan/tilt speed and the depth of zoom lens decline proportionally
- Support setting virtual zero position
- Auto pan scanning function
- Two patterns of eight preset touring function
- Power off memory: the movement before power off can be memorize
- Packing function when camera on standby mode
- Zoom function

**Network feature**

- high performance video processing chip and H.264 video coding, support 720p high resolution video image
- dual stream, support different bandwidth application
- Multi IP protocol and perfect IP applicability, for different network application
- Alarm linkage function
- Built-in web server for better management and setting

- Support TF local atorage, max 32GB,

- Support traversing NAT, NDS, Multicast technology

- 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

- with surge and lightning protector
- with wiper, heater, fans
- IP66, CE, FCC, ROHS compliance

#### Order Model No

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NR-UV20-HD-S pedestal mount

NR-UV20-HD-G wall mount

NR-UV20-HD-IR-S pedestal mount with IR

NR-UV20-HD-IR-G wall mount with IR

NR-UV20-HD-LS-S pedestal mount with laser

NR-UV20-HD-LS-G wall mount with laser

Model	NR-UV20-HD	NR-UV20-HD-IR	NR-UV20-HD-LS
Camera/Lens ( Hitachi DI-SC110 for example )			
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	
IR parameter	None	IR	LASER
IR distance	None	100m	200m
angle	None	18°	16°
IR lamps	None	2pcs	2
voltage	None	DC12V	DC12V
power	None	2 * 6W	2*10W
dimension ( LxWxH )	None	2*Φ108×85mm	215×92×112mm ( per pcs )
Net weight	None	2*0.5kg	2*0.5kg

<b>Video coding</b>		
format	H.264	H.264
resolution	Main stream 720p ( 1280x720 ) , sub stream ( 640x320 ) , ( 320x280 ) , support dual stream	Main stream 1080p ( 1920x1080 ) , sub stream ( 640x320 ) , ( 320x280 ) , 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
<b>Outside interface</b>		
Web interface	1x10Base-T/100Base-TX , RJ45interface	
Alarm interface	1xswitch In , 1x switch Out	
Storage interface	1xTF card interface , build-in	
Audio interface	1x line in , 1xline output	
<b>network protocol and feature</b>		
protocol	TCP/IP , ARP , ICMP , FTP , RTP/RTCP , NTP , DNS , DDNS , SNMP , PPPoE	
feature	Support heartbeat detection, intelligent retransmission restructuring,transversing NAT , ANR	
<b>Application</b>		
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	
<b>Eletrical parameter</b>		
Input voltage	24VAC	
Input power	30VA ( no heater ) ; 40VA ( with heater )	
Working temperature	-40°C ~ +55°C	
Working humidity	10%-90%	
<b>Structural</b>		
Material	Aluminum Alloy	
Glass	4.5mm high intensity optical coated glass	
Weight	11KG(UV20-HD) ; 12KG(UV20-HD -IR) ; 12KG(UV20-HD -LS) ( only for PTZ body )	
Color	Grey	
Body Dimension	200x355x460 mm ( UV20-HD ) ; 388x355x460 mm(UV20-HD-IR) ; 303x355x460mm (UV20-HD-LS)	
Package size	670mmx530mmx318 mm ( UV20-HD ) , 638mmX468mmX482mm(UV20-HD-IR) (UV20-HD-LS)	
Package material	Carton+ Pearl cotton	
Mounting brackets	NR-UV-EM20、 NR-UV-CM-A、 NR-UV-SM-A、 NR-UV-PM-A,NR-UV-BM20 )	
Accessories	Manual(x1), Warranty card(x1), Certification(x1), Bracket (Optional), Power Supply(Optional), pedestal bracket(Optional), Φ8X40 bolt(x4), Gloves(x1), hydrosphere(x1), 13 Allen key(x1)	
<b>Environment</b>		
Working temperature	-40°C ~ +55°C; without IR : -25°C~+55°C , with IR : -10°C~+40°C:	
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	
Cerfitication	Meets CE, FCC standards and has ROHS certification	
Wiper	yes	
Defroster	yes	

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