



NETRA CCTV HD-IP SERIES CAMERA

NR-UV20-HD/NR-UV20-HD-IR/NR-UV20-HD-IR/LS series HD IP high speed Pan Tilt camera

High Definition, High Performance, Wide Angle

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 ± 0.10
- 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
- One pattern of 4 preset touring function and 32 presets for each pattern.
- Power off memory: the movement before power off can be memorize
- Click to large function

Network feature

- high performance video processing chip and H.264 video coding, providing standard H.264 video compress format.
- Standard G.711 Audio compress format.
- Support 1080P、720P、D1、VGA formats.
- Support PAL.NTSC.



- Support Dual stream video encoding, fully meeting the different bandwidth of network in actual application.
- Support character and video superposition displaying.
- Built in Web Server, support browser preview, configure and update.
- Support two-way talking
- Support video timing, alarm linkage snapping , images can be stored directly, sent by Email or uploaded by FTP by default JPG format
- Support static address DHCP.
- Equipped with Client software.
- Support central platform software management
- Support multipile network protocols TCP/IP, UDP, SMTP, PPPoE, DDNS, DNS , UPNP , DHCP, FTP ,RTSP etc.
- Meeting ONVIF standard
- Support 1 ways alarm input and 1 AUX
- Support maximum up to 32GB of TF card storage. Video can be stored locally when there is network failure. The storage will adopt the re-distributed file system and prevented the disk fragments which eliminate the worry of black out

Protection feature

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



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Order Model No

NR-UV20-HD-S

NR-UV20-HD-G wall mount

NR-UV20-HD-IR-S pedestal mount

with IR

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

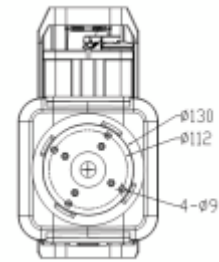
NR-UV20-HD-LS-S pedestal mount with laser

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

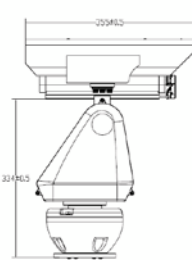
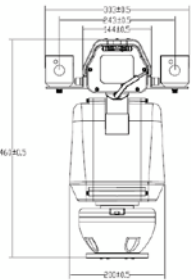
Dimension

UV20-HD

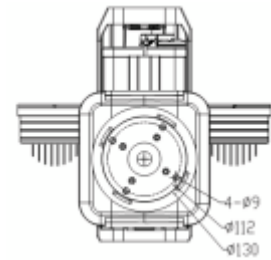
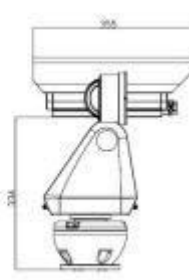
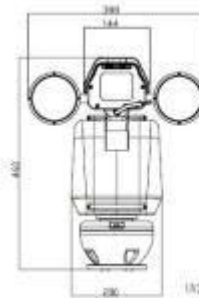
pedestal mount



UV20-HD-LS



UV20-HD-IR



Technical parameters

Model	NR-UV20-HD	NR-UV20-HD-IR	NR-UV20-HD-LS
Camera/Lens			
Image sensor	1/3 HD CCD	1/2.8 inch HD CMOS	
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
dimention (LxWxH)	None	2*Φ108x85mm	215x92x112mm (2 pcs)
Net weight	None	2*0.5kg	2*0.5kg
Video coding			
format	H.264 Main Profile, MJPEG Baseline Encoding		
resolution	Main stream 720p (1280x720),sub stream MJPEG (640x352), support dual stream	Main stream 1080p (1920x1080), sub stream D1 (740x480), support dual stream	
Video code rate	64Kbps ~ 12Mbps	64Kbps ~ 12Mbps	
Video frame bitrate	1 ~ 30 frame/sec	1 ~ 30 frame/sec	
Title OSD	Supports channel name, date, and video stream information overlay	Supports channel name, date, and video stream information overlay	



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Image adjust	brightness , contrast , saturation	brightness , contrast , saturation
Outside interface		
Web interface	1x10Base-T/100Base-TX , RJ45interface	
Alaram interface	1xswitch In , 1x switch Out	
Storage interface	1xTF card interface , build-in	
Audio interface	1x line in , 1xline output	
network protocol and feature		
protocol	TCP/IP , FTP , NTP , DNS , DDNS , SMTP , PPPoE, RTSP , ONVIF,28181	
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, SDK developer file	
Eletrical parameter		
Input voltage	24VAC	
Input power	50VA (UV20-HD) ; 75VA (UV20-HD-IR , UV20-HD-JL)	
Working temperature	-40°C ~ +55°C	
Working humidity	10%-90%	
Structural		
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	UV-EM20、 UV-CM-A、 UV-SM-A、 UV-PM-A,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)	
Environment		
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	