



Product Name : **NR-UV20 Series Integrated High Speed Pan/Tilt Camera**

Model No : **NR-UV20/UV20-IR/-LS/-JL**

#### **Main features**

##### **Pan/Tilt :**

- Step motor driving, providing accurate position and quick response
- Attractive appearance.
- Stable operation , without dithering and noises

##### **Camera :**

- Built in high definition integrated zoom camera
- BLC
- Day/Night image
- WDR
- Video stabilization
- Privacy zone masking function, supports up to 24 privacy zones
- High speed preset position image holding function

##### **Built in decoder :**

- Multi protocol decoder: Pelco P/D
- Setting by software address or hardware address are both available
- Camera and pan/tilt settings can be done via built-in OSD menu
- Real time inside temperature checking

- Power off memory: the movement before power off can be memorize
- Power on self-restoring style-users can assign the dome movement after powering on.
- Change speed proportionally—pan/tilt speed declines proportionally with the increasing of zoom rate..
- The Pan/tilt orientation displays and camera zoom displays
- Data feedback the PTZ state
- Virtual home position
- With pan auto-scan function, the pitching angle can be set
- With apple peel scan
- 2 patterns memory function
- 4 tours of presets scan, dwell time can be set
- 255 preset positions, with precision error less than  $\pm 0.1^{\circ}$
- 5 channels timer auto-activate function, to run the preset movements
- Camera orientation display function(N, NE, E, SE, S, SW,W, NW total 8 orientation)
- 4 alarm inputs
- With wiper and washer linkage.

**Screen & menu:**

- Built-in English/Chinese OSD menu, Built-in English/Chinese OSD menu. Operation language can be change .
- Menu password protection function
- Support Chinese Pinyin input method, users can edit user's name, camera position and presets in Chinese or English
- Users can set, call, delete preset positions, preset tours and privacy masking zone via menu
- Information like user's name, camera position, preset title, the internal temperature of the camera, PTZ orientation can be displayed on screen

**Order Model No.**

NR-UV20-18BW-S 18×Color/BW , with pedestal bracket  
NR-UV20-23BW-S 23×Color/BW , with pedestal bracket  
NR-UV20-26BW-S 26×Color/BW , with pedestal bracket  
NR-UV20-35BW-S 35×Color/BW , with pedestal bracket  
NR-UV20-36BW-S 36×Color/BW , with pedestal bracket  
NR-UV20-18BW-G 18×Color/BW , with wall mount bracket  
NR-UV20-23BW-G 23×Color/BW , with wall mount bracket  
NR-UV20-26BW-G 26×Color/BW , with wall mount bracket  
NR-UV20-35BW-G 35×Color/BW , with wall mount bracket  
NR-UV20-36BW-G 36×Color/BW , with wall mount bracket

## Technical parameters

Model	NR-UV20	NR-UV20-IR	NR-UV20-LS	NR-UV20-JL
Camera/Lens (Take Sony 18xD/N for instance)				
Image sensor	1/4"high quality EXVIEW HAD CCD			
Video signal	1.0±0.1VP-P(75Ω , compound)			
Zoom	From 18x to 36x, depends on camera module f=4.1-73.88mm, F1.4-3.0			
Angle	2.8° ( far ) --48° ( near )			
Minimum illumination	0.01LUX			
White balance	Auto/Daylight/Cloudy/dark/fluorescent and other balance mode			
Focus	Auto/manual			
Iris	Auto/manual			
Shutter Speed	Auto			
Backlight compensation	ON/OFF			
S/N	>50dB			
<b>Pan/Tilt</b>				
Pan rotation	360°			
Tilt rotation	120°			
Pan control speed	0.1°-80°/sec			
Tilt control speed	0.1°-40°/sec			
Preset running speed	pan : 80°/sec tilt : 40°/sec			
Preset positions	255			
<b>Input/output interfaces</b>				
Compound video interface	BNC interface, Compound video 1Vp-p, 75Ω none-balanced			
Control signal interface	RS485 interface, RX + (white) :485 + , RX - (blue): 485 -			
Control signal format	Start bit: 1 Data bit: 8 Stop bit: 1 Baud Rate : 2400, 4800, 9600bps adjustable			
Power interface	Red / black: power supply			
Alarm Input Interface	4 normally open alarm inputs			
Aux output interface	1 replay Aux output			
<b>Electrical index</b>				
Power adapters	AC24V/2.7A			
Input voltage	24VAC			
Power consumption	30VA(UV20)、50VA ( UV20-IR )			
IR	N/M	IR LED lamps	IR Laser lamps	Sync focus laser lamps
Infrared range	N/M	100M	200m	
Wavelength	N/M	60°	16°	2-50°
Angle	N/M	850nm	808nm	808nm
IR lamps	N/M	2	2	1 laser, 1IR
voltage	N/M	DC12V	DC12V	DC12V, AC24V
Power consumption	N/M	12W	20W	18W
Dimension ( LxWxH )	N/M	2 108X85mm	215x92x112mm	105*110*186mm (each)
Net weight	N/M	2*0.5kg	2*0.5kg	1.3kg
<b>Structural</b>				
Material	Aluminum Alloy			
Glass	5mm high intensity optical coated glass			
Weight	14KG(UV20); 16KG(UV20-IR)			
Color	Grey			
Dimension	Φ200x460 mm(UV20) Φ388x460 mm(UV20-IR)			
Package size	670mmx530mmx318 mm(UV20), 638mmX468mmX482mm(UV20-IR)			
Package material	Carton+ Pearl cotton			
Mounting brackets	UV-EM20、UV-CM-A、UV-SM-A、UV-PM-A			
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			
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			
	Meets CE, FCC standards and has ROHS certification			
Wiper	yes			
Defroster	yes			

