

# HD9 Series Premium Video PTZCameras Specification Sheet

Model No.: HD-U20-K7 / HD-U20-K8 / HD-U20-K5

10x, 12x, 20x Optical zoom | 1080p@60fps

**HD 20x Optical Zoom Conference Camera**

Product Model: HDg10-U20-K7, HDg12-U20-K8, HDg20-U20-K5

Delivering instant real time, face-to-face experience through its powerful design that enhances your collaboration experience, it provides great productivity benefits to transform your business. It seamlessly connects with your PC / Laptop over USB, so now conduct your large room meetings more lucidly, and capture real time speaker expressions and reactions to effectively communicate with your dispersed teams, Partners & customers

USB
 MIC
 HD

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[Data Sheet](#)





2.0 Megapixel Full HD Camera experience 1080p30fps vivid images, equipped with 58.7 degree HOV, 20x optical zoom lens, enhancing your video conferencing, distance learning, training meeting or courtrooms with natural and smooth video images. The USB 2.0 MJPEG 1080p Super speed video output can work at any OS, Support MJPEG 1080p@30fps output which is compatible with any low bandwidth application Software.

### Features:

- Private Tooling design
- Fast and smooth video handling
- Power ON-OFF switch
- Work & Standby LED indicator
- Speed Match
- Auto/Manual focus/brightness/WB
- RS-232C/VISCA Protocol
- Lens/Dome OSD
- Boundary scanning

### Performance:

- UVC Protocol
- USB 2.0 MJPEG
- UVC 1.5
- L 180mm x W 112mm x H129mm

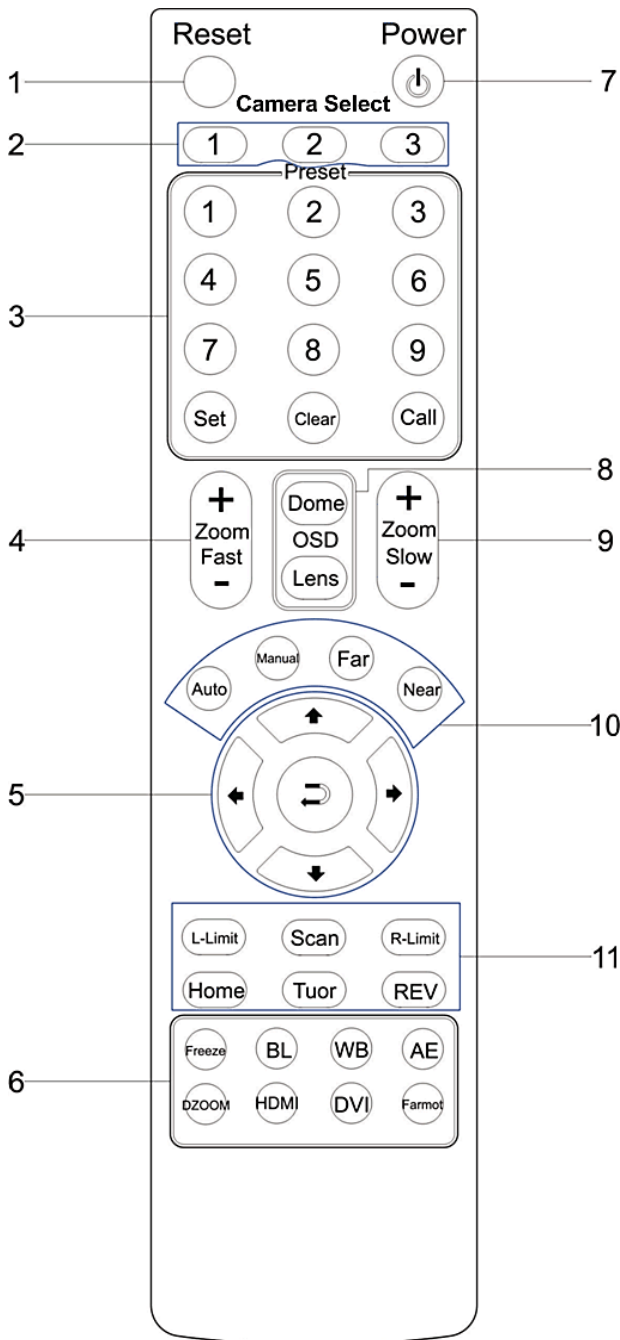
### Installation:

- Desktop
- Standard Tripod

### Dimension:

- 1920x1080pixels progressive @30fps
- 0x,3x or 10x optical zoom lens
- HOV 72.5/84/54 degree
- 1/2.7"HD color CMOS Sensor
- Pan  $\pm 165$  degree Pan movement
- Tilt +30 degree, - 30 degree
- 64 preset positions
- 4 cruise lines
- No need Power adaptor

Remote control unit



- 1. Reset:**  
Restart Camera and restore to factory default settings
- 2. Camera select:**  
Choose the camera that you want to control
- 3. Preset Control:**  
1-9: Select preset No.  
Set: Setting preset  
Clear: Clear preset  
Call: Call preset  
**Notes:** If you want to set preset 1, press number 1, then press set button
- 4. Zoom fast control**  
+: Zoom in  
-: Zoom out
- 5. Pan and Tilt control**  
↑: Lens up  
↓: Lens down  
←: Lens left  
→: Lens right  
↻: Camera automatic rotation
- 6. Additional function**  
Freeze: Image Freeze  
BL: Backlight Compensation  
WB: White Balance  
AE: Auto explosion  
D zoom: Digital zoom  
HDMI: Swap to HDMI Video output  
DVI: Swap to DVI Video output  
Format: Swap between different format
- 7. Power supply switch**  
Switch of stand by and working status
- 8. OSD Menu Zone**  
Dome OSD: enter Camera OSD Menu  
Lens OSD: enter Lens OSD Menu
- 9. Slow Zoom in/out Zone**  
+: Zoom in slowly  
-: Zoom out slowly
- 10. Focus Control Zone**  
Auto: Auto focus of lens  
Manual: Manual focus of lens  
Far: Focus at far distance objects  
Near: Focus at near distance objects
- 11. Pan/Tilt Function Zone**  
L-Limit: Set Left limit Scanning position  
Scan: Enable Boundary scanning  
R-Limit: Set Right limit scanning position  
Home: Camera Home position  
Tour: Enable Patrolling  
Rev: Image auto-flip

**Accessories List:**

- 1) 5 meters USB 2.0 Cable
- 2) L- Type bracket
- 3) HD PTZ Camera
- 4) Installation kits package
- 5) User’s manual book
- 6) IR remote control



**Specification sheet**

Model number:	HD-U20-K7	HD-U20-K8	HD-U20-K5
	10X	12X	20X
Sensor	1/2.8" Progressive CMOS		

Image Sensor	Effective pixel	2.1 Megapixel	2.1 Megapixel	2.1 Megapixel
	Minimum Scene illumination	0.5Lux at F1.6	0.25Lux at F1.2	0.5Lux at F1.6
	White Balance	AUTO	AUTO	Auto/Manual
	Gain Control	AUTO	AUTO	AUTO
	Back-light compensation	On/Off	On/Off	On/Off
	S/N Ratio	>50db	>50db	>50db
	IRIS	fixed IRIS (F1.6-F2.5)	Auto/Manual	F1.6-F2.5
Lens	Focus	f=4mm	f=4.5-54mm	f=4.7-94mm
	Zoom	10x Optical Zoom	12x Optical Zoom	20x Optical Zoom
	Hov	58.7 degree	72 degree	58.7degree
Video Output		USB 2.0 Type B	USB 2.0 Type B	USB 2.0 Type B
Video format		USB 2.0: 1080P30 (MJPG) 720P30 (MJPG) 640X480		
Control Interface		EIA/RS232C,EIA/RS485(Bidirectional)	EIA/RS232C,EIA/RS485(Bidirectional)	USB
PTZ Control Protocol		VISCA,PELCO-D	VISCA,PELCO-D	VISCA,PELCO-D,UVC
Baud Rate		9600/38400bps	9600/38400bps	9600/38400bps
Patrol tours		4	4	4
Preset		64	64	64
OSD Menu		N/A	N/A	LENS OSD/DOME OSD
Speed Matching Function		Support	Support	Support
Image Auto Flip		Support	Support	Support flip/mirror
Pan Speed		0-60 degrees/s	0-60 degrees/s	0-60 degrees/s
Tilt Speed		0-60 degrees/s	0-60 degrees/s	0-60 degrees/s
Pan Rotation Angle		0-355 degree	0-355 degree	0-355 degree
Tilt Rotation Angle		+ 90, - 45degree	+ 90, - 45degree	+ 90, - 45 degree
Auto Pan Scan		Support	Support	Support
Remoter Control		IR Wireless remote control P/T/Z	IR Wireless remote control P/T/Z	IR Wireless remote control P/T/Z
Power		DC12V,2A	USB 2.0 Power supply	USB 2.0 Power supply
Operation Temperature		0°C ~ 50°C		
Environmental humidity		0-95%RH(non-condensaion)		
Length X width X high		L 145mm x W 148mm x H161mm		
Weight		1200g	1200g	1200g

