

## Technical Specification

Model	12X	20X
<b>Camera Parameter</b>		
Sensor	1/2.8 inch high quality HD CMOS sensor	
Effective Pixels	207megapixel、16: 9	
Output Resolutions	720p25/29.97/30/50/59.94/60; 1080i50/59.94/60; 1080p25/30/29.97/30/50/59.94/60	
Optical Zoom	12X f=3.9~46.8mm	20X f=5.5~110mm
View Angle	6.3° (tele) 72.5° (wide)	3.3° (tele) 54.7° (wide)
AV	F1.8 – F2.4	F1.6 ~ F3.5
Digital Zoom	10X	
Minimum Illumination	0.5Lux(F1.8, AGC ON)	
DNR	2D & 3D DNR	
White Balance	Auto/Manual/One Push/3000K/3500K/4000K/4500K/5000K/5500K/6000K/6500K/7000K	
Focus	Auto/Manual	
Aperture	Auto/Manual	
Electronic Shutter	Auto/Manual	
BLC	ON/OFF	
WDR	OFF/Dynamic level adjustment	
Video Adjustment	Brightness/Color/Saturation/Contrast/Sharpness/B/W mode/Gamma curve	
SNR	>55dB	

<b>Input/Output Interface</b>	
Video Interface	HDMI、 3G-SDI、 NDI
Image Code Stream	Double streams outputs simultaneously
Video Compression forma	H.265、 H.264
Control Signal Interface	RS-232 Ring through RS232 output, RS-485
Control Protocol	Protocol: VISCA/Pelco-D/Pelco-P;
Audio Input Interface	Double track 3.5mm linear input;
Audio Compression Format	AAC、 MP3、 G.711A
HD IP Interface	100M IP port (10/100BASE-TX) Support IP VISCA control protocol
Network Protocol	RTSP、 RTMP、 ONVIF、 GB/T28181、 NDI
Power Interface	HEC3800 outlet (DC12V)

<b>PTZ Parameter</b>	
Pan Rotation	-170°~+170°
Tilt Rotation	-30°~+90°
Pan Control Speed	0.1 ~60°/sec
Tilt Control Speed	0.1~30°/sec
Preset Speed	Pan: 60°/sec, Tilt: 30°/sec
Preset Number	255 presets (10 presets by remote controller)

<b>Other Parameter</b>	
Supply Adapter	AC110V-AC220V to DC12V/1.5A
Input Voltage	DC12V±10%
Input Current	1A (Max)
Consumption	12W(Max)
Store Temperature	-10℃~+60℃
Store Humidity	20%~95%
Working Temperature	-10℃~+50℃
Working Humidity	20%~80%
Dimension	150mm×150mm×167.5mm
Weight	1.4kg
Working Environment	Indoor
Remote Operation (IP)	Remote Upgrade, Reboot and Reset

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<b>Accessory</b>	Power Supply、RS232 Control Cable、Remoter
<b>Optional Accessory</b>	Bracket