

**VERTEX**

# FULL HD PTZ CAMERA



## FULL HD ROBOTIC PTZ CAMERA Real Time & ZONETracking

- 1/2.8 Inch HD CMOS Sensor
- 12X/20X Optical Zoom | 15X Digital Zoom
- 3G-SDI, HDMI, USB3, LAN with Embedded Audio Outputs, Audio Input
- Real Time Tracking & Regional Tracking
- Multiple Audio/Video Compression Standards
- USB3.0 Dual Coding Stream
- Dual Network Streaming with Multiple Streaming Protocols
- VISCA, IP VISCA, PELCO-D/P Control Protocols
- RS232-In & Out, RS422 Compatible with RS485
- Power Over Ethernet (PoE)
- Accessory - Joystick RCP, Wall/Ceiling Mounts



~ TECHNICAL SPECIFICATIONS ~

FEATURES	12X	20X
<b>CAMERA &amp; LENS</b>		
Sensor	High Quality 1/2.8 Inch HD CMOS Sensor	
Effective Pixels	16:9, 2.07 megapixel	
Optical Zoom	12X (f = 3.9~46.8mm)	20X (f = 5.2~98mm)
Digital Zoom	15X	
View Angle	6.3° (Tele) ~ 72.5°(Wide)	3.3° (Tele) ~ 56°(Wide)
AV	F1.8 – F2.4	F1.5 – F3.0
Video Resolution	<b>HDMI/3G-SDI</b> 1080P60, 1080P50, 1080P30, 1080P25, 720P60, 720P50, 1080P59.94, 1080P29.97, 720P59.94.  <b>USB3.0: Main Stream &amp; Sub Stream</b> YUY2/NV12 - 1920×1080/ 1280×720/ 1024×576/ 800×600/ 800×448/ 640×360/ 640×480/ 480×270/ 320×180@30/25/20/15/10/5fps. MJPG/H264 - 1920×1080/ 1600×896/ 1280×720/ 1024×576/ 960×540/ 800×600/ 800×448/ 720×576/ 720×480/ 640×360/ 640×480/ 480×270/ 352×288/ 320×240@30/25/20/15/10/5fps	
SNR	≥50dB	
Minimum Illumination	0.5Lux (F1.8, AGC ON)	
DNR	2D & 3D DNR	
White Balance	Automatic, Manual, One-Key	
Focus	Auto, Manual, One Push Focus	
Aperture/Electronic Shutter	Auto, Manual	
WDR	Off, 1 - 8	
BLC	ON/OFF	
Video Adjustment	Brightness, Color, Saturation, Contrast, Sharpness, B/W Mode, Gamma Curve	
<b>PTZ</b>		
Pan/Tilt Rotation	±170°, -30°~+90°	
Pan Control Speed	0.1-100°/sec	
Tilt Control Speed	0.1-45°/sec	
Preset Speed	Pan: 100°/sec, Tilt: 45°/sec	
Preset Number	255 presets (10 Presets Through IR Wireless Remote Control)	
<b>AI FUNCTIONS</b>		
Real-Time Tracking	Supports 6 to 7 Meters Tracking Range.	
Pan Control Speed	Support Four Zone Tracking. Region Settings - Horizontal -170°~+170°, Vertical -30°~+90°	
<b>INTERFACES</b>		
Ordering Information xx* Choose Zoom Range	<b>WOLFCAM xx*-SHUL-V.2</b>	Output: 3G-SDI, HDMI, USB3.0, LAN   Audio Linear Input RS232-IN, RS232-OUT, RS422 *USB B Type Compatible with USB2.0
Video Compression	<b>LAN Interface:</b> H.265, H.264, Dual Stream Output (RTMP, SRT) <b>USB3.0 interface:</b> YUY2, MJPEG, H.264, NV12	
Network Interface	100M IP Port (100BASE-TX)	
Network Control Protocol	RTSP, RTMP, ONVIF, GB/T28181, IP VISCA Control Protocol RTMP, RTSP, SRT Streaming Protocols Support Remote Upgrade, Reboot and Reset	
Control Interfaces	RS232-IN, RS232-OUT, RS422 Compatible With RS485	
USB Communication Protocol	UVC, UAC	
Audio Interface	Double Track 3.5mm Linear Input	
Audio Compression Format	AAC/MP3/G.711A	
Control Interface	RS232 (Input & Output), RS485	
Power Interface	HEC3800 Power Socket (DC12V)	
Input voltage	DC12V±10%	
Power Consumption	12W(Maximum)	
<b>ENVIRONMENTAL</b>		
Temperature	Storage: -10°C~+60°C Degree Celcius, Working: -10°C~+50°C	
Humidity	Storage: 20%~95%, Working: 20%~80%	
Weight	1.15 Kgs Typical	
<b>ACCESSORY</b>		
Supplied Accessory	Power Supply RS232 Control Cable USB3.0/2.0 Cable Wireless IR Remote Control (Without Batteries)	
Optional Accessory	Ceiling / Wall Mounting Bracket Kit, Joystick Remote Control Panel	

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