

# iPro Astro WH-S220-O PTZ Network camera

27x Optical zoom, Day/night surveillance

The iPro Astro WH-S220-O PTZ network camera is high resolution, with built-in IR-filter ready to day and night video surveillance, and combines video server support for real-time remote monitor.

With motorized pan/tilt functionality and high-definition 27x optical zoom (270x digital zoom), for wide range outdoor security monitoring applications. The WH-S220-O use advanced MPEG4 compression technology, for high-quality video stream at low bandwidth.

The WH-S220-O PTZ camera produces up to 25 to 30 fps per second at true D1 video resolution. The PTZ network camera with 1/4" Super HAD CCD sensor, and high performance DSP chip, produces more detail and clear images, ideal form most challenging low light applications.

The WH-S220-O PTZ camera is compact fixed camera in stylish dome, with IP66 waterproof standard, regardless of the quality or capability, to meet the most demanding situations.



## Highlights

- ▶ Clear **480** TV Lines
- ▶ High sensitivity of 0.01 Lux
- ▶ High speed **Pan/Tilt/Zoom** function
- ▶ Vandal-Proof Dome Cove (Max load 380kg)
- ▶ High definition **27x optical zoom**
- ▶ Dual **MPEG4 & MJPEG** stream compression
- ▶ Support Day/Night surveillance
- ▶ Built-in fan and heater for reliability operation
- ▶ **WDR (Wide Dynamic Range)**
- ▶ Protection Classification **IP 66** to DIN EN 60529



## Powerful 27x Optical Zoom

- Auto Iris and Auto Focus
- Superb optical design
- High contrast images
- Wider dynamic range

<b>Image System</b>	
<b>Image Sensor</b>	1/4" Color Super HAD CCD
<b>Picture Pixels</b>	NTSC: 410,000. pixels PAL: 470,000. pixels
<b>Video Compression</b>	MJPEG & MPEG-4 ASP hardware compression
<b>Resolution</b>	QCIF(160x112/NTSC ; 176x144/PAL) CIF(352x240/NTSC ; 352x288/PAL) D1(720x480/NTSC ; 720x576/PAL)
<b>Image FPS</b>	30fps at full D1 resolution(NTSC) 25fps at full D1 resolution(PAL)
<b>Video</b>	
<b>Sync-sysnc</b>	Internal / External
<b>Lens</b>	f=3.25 mm to 88.0 mm F=1.5 to 3.8
<b>Optical Zoom</b>	27x Optical Zoom
<b>Digital Zoom</b>	10x (270x Digital Zoom)
<b>Focus system</b>	Auto / Manual
<b>Iris system</b>	Auto / Manual
<b>H-Resolution</b>	480 Lines at NTSC/ PAL
<b>Min illumination</b>	1.0Lux at F1.5 in Color; 0.01Lux at F1.5 in B/W
<b>S/N ratio</b>	More than 48 dB
<b>Shutter</b>	Auto , 1/60(50)~1/100,000.sec
<b>Wide Dynamic Range</b>	Yes
<b>Digital Slow Shutter</b>	Yes
<b>Day &amp; Night</b>	Yes
<b>I/O Interface</b>	
<b>Network</b>	RJ-45 x 2
<b>Analog Video Output</b>	BNC connector x 1

<b>Communication</b>	
<b>Ethernet system</b>	10/100base-T x2 for LAN/WAN
<b>Protocol supported</b>	TCP/IP , UDP , HTTP , ARP , PPPoE , DDNS , IGMP
<b>QoS</b>	Layer 2,3
<b>Simultaneous Access</b>	Unlimited(multicast)
<b>WAN</b>	WAN for FTTP , Cable modem or xDSL connectivity
<b>Pan / Tilt</b>	
<b>Pan movement</b>	0° ~ 360° continuous endless
<b>Tilt movement</b>	0° ~ 90°
<b>Pan manual speed</b>	1°/Sec to 80°/Sec vari-speed
<b>Tilt manual speed</b>	1°/Sec to 40°/Sec vari-speed
<b>Preset</b>	64 preset point
<b>Preset Speed</b>	180° per second
<b>Power</b>	
<b>Power</b>	Waterproof adaptor box, 110Vac ~220Vac
<b>Operating environment</b>	
<b>Operating Temperature</b>	-40 °C ~ 50 °C (-40 ~ 122°F)
<b>Storage Temperature</b>	-40 °C ~ 85 °C (-40 ~ 185°F)
<b>Humidity</b>	5% ~ 95%
<b>Dimension (Ø x H)</b>	Outdoor: 246 mm x 306 mm Indoor: 175mm x 233mm
<b>Outdoor Protected</b>	IP 66 to DIN EN 60529
<b>EMI</b>	
<b>CE, UL</b>	



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