

iPro Astro WH-S220 PTZ Network camera

27x Optical zoom, 360 degree surveillance

The iPro Astro WH-S220 PTZ network camera is 360 degree video surveillance camera, with pan, tilt, and zoom functions, is ideal for wide range indoor video surveillance applications, such as factory, parking lot, and school.

The PTZ network camera is equipped with high performance DSP chips. It can capture clear image and true color reproduction. The PTZ camera uses high performance CCD sensor and 27x superb optical zoom which increases the visibility of details even in low-contrast environment.

The WH-S220 PTZ camera with analog and Ethernet outputs combines traditional CCTV surveillance system and IP network surveillance system. It is well-suited for uses in any distributed surveillance applications.

The WH-S220 PTZ camera is standalone with built-in 32bit CPU and Linux operation. It supports both dual mode of MPEG4 and M-JPEG compression for the best convenience to meet your various surveillance requirements.



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

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

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



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