

iPro Vision WH-R220 Fixed Network camera

Low Light IP camera, Night vision

The iPro Vision WH-R220 network camera is designed especially for security monitoring applications such as low light, outdoor all-weather surveillance, and different harsh conditions like rain and fog, satisfies the outdoor video surveillance of high standard security surveillance requirement. The camera has two built-in analog and network Ethernet outputs, in order to combine CCTV and IP network, provides reliability and flexible performance.

The WH-R220 network camera provides high quality images and performance, with built-in web-server over IP network, real-time monitor by web browser from any time at anywhere. The network camera using a 1/3" CCD sensor and high performance DSP chip increases the **low light conditions** and true color reproduction. The WH-R220 network camera equipped high power infrared LEDs enable effective night-time performance, the distance detection at 40 M. The camera also support intelligent functions, including motion detection, e-mail alarm, and relay outputs.

Most of outdoor surveillance environments, such as transportation, parking lot and factory applications, which require high standard, to protect the hardware, when it's used in climate change environments, such as temperature, dense fog and rain condition. The fixed camera, with powerful outdoor housing enable to water-proof, corrosion proof and dust, through IP66 rated to DIN EN 60529 is an international classification

Enhancement of camera performance

- Green design
- Corrosion proof
- Improved blower
- Long service life LED
- 100% passed durability test
- Innovated and practical design
- Temperature test, voltage protective test



Highlights

- ▶ Night vision function with infrared LEDs
- ▶ Advanced **DSP** Chip
- ▶ High performance Color **CCD** sensor
- ▶ Hybrid IP network camera with analog and Ethernet Outputs.
- ▶ Sharp **380** TV lines
- ▶ Provide for Indoor and outdoor applications
- ▶ Video stream up to 25~30 fps per second
- ▶ Dual **MPEG4 & MJPEG** stream compression
- ▶ Ideal for *Day/Night* surveillance application

Reliability Test

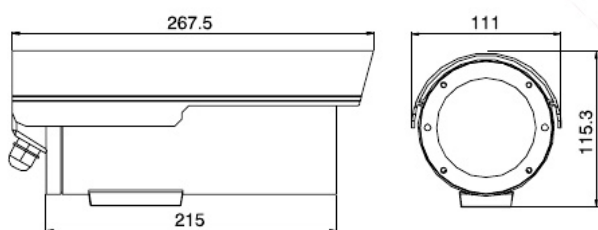
- Color Testing
- Vector Testing
- Frequency Testing
- Video Quality Testing



Image System	
Image Sensor	1/3" Color Super HAD CCD
Picture Pixels	NTSC: 270,000. pixels PAL: 290,000. 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-sync	External
Lens	Standard 8mm Lens
Iris control	No
H-Resolution	380 TV lines
Min illumination	0.2 Lux/ F1.2
S/N ratio	More than 48 dB
Electronic Shutter	NTSC: 1/60 ~ 1/100,000 PAL: 1/50 ~ 1/110,000
Back light Comp.	Auto
White Balance	Auto
Infrared LEDs (Night Vision)	Yes
I/O Interface	
Network	RJ-45 x1
Analog Video Output	BNC connector x 1

Communication	
Ethernet system	10/100base-T x1 for LAN
Protocol supported	TCP/IP , UDP , HTTP , ARP , PPPoE , DDNS , IGMP
QoS	Layer 2,3
Simultaneous Access	10 User
Power	
Power	AC100V ~ AC240V
Operating environment	
Built-in blower	Yes
Outdoor Protected	IP66 Waterproof
Operating Temperature	-25 °C ~ 50 °C
Storage Temperature	-25 °C ~ 50 °C
Humidity	RH 95%
Dimension (Ø x H)	267.5mm x 111mm x115.3mm
EMI	
CE, UL	

Dimensions:



Reliability Test

Protection Classification IP 66 to DIN EN 60529

- Protection against a wire touching dangerous parts.
- Sealed against dust
- Protection against powerful water jet



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