

WMK-H302

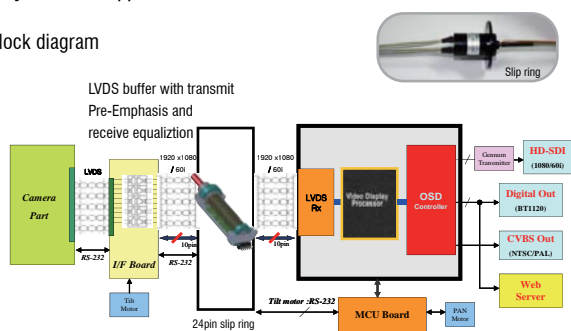
2M Pixel x30 Zoom Hybrid(Network+HD-SDI)
Twin Motorized Zoom IR PTZ Camera



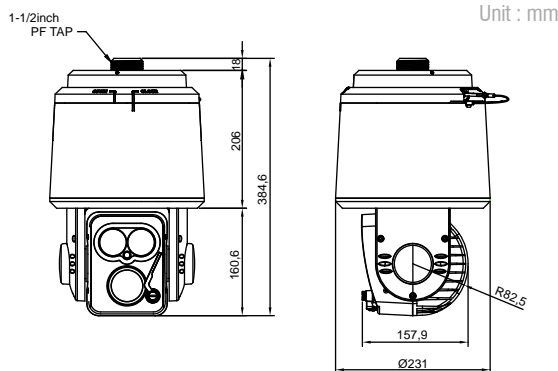
FEATURES

- 2.2 Megapixel progressive scan CMOS
Smooth operation and captures fluid motion at 30 frames per second with 1920x1080 pixel resolution
- Transmit full HD video on Network and HD-SDI
- Industry-highest ratio of x30 optical zoom (4.3~129mm F/1.6)
Improved Auto Focus algorithm to improve focusing accuracy even in the most challenging low-light, low-contrast environments
- True D&N ICR mechanism
Min.illumination - Color : 0.5 lux , BW : 0.1lux
Color DSS : 0.002 lux , BW DSS : 0.001 lux
- Weather-proof IP66 outdoor housing
Easily track targets with 360degree endless rotation and high-speed 250°/sec
- Resistant to arctic temperature of -50°C to 70°C
Prevent from blooming, smear, focus shift
- Easy of installation and servicing from the PTZ mechanism docking cradle
H.264 and Motion JPEG compression
- Using Http common port for entire TCP/IP Protocol Suite (RTP/RTSP, SNMP, UDP,SMTP)
ONVIF compliant API
- Industry leading latency of 200ms/2Mpix
Bandwidth adaptive video streaming
- Integrated web server for camera parameter setting
Dynamic IP support

Block diagram



DIMENSIONS



Providing brighter and clearer image

WMK-H302's toughened glass viewing window is optically correct and distortion free providing brighter, clearer images, even at full telephoto zoom ratio. WMK-H302 and its IR motorized zoom lens offers a rich viewing experience even in total darkness, though smoke, light fog and in the most adverse weather conditions which make the camera in hard-to-focusing.

WMK-H302 is well protected with internal aluminum die-casting for shock-resistance, and the external ABS housing for corrosion-resistant for longer life, which is IP66 certified.

WMK-H302's camera housing is factory-sealed and never has to be opened. The power supply and all terminals for video, telemetry data, alarm and network interface for the camera are reliably protected in the weatherproof and tamperproof housing. And an external cable with an included pre-fitted 1m HD-SDI coaxial cable, telemetry data and alarm cable, and power cable, simply links to the installation base unit and the base board. This advanced PTZ mechanism docking structure is extremely installation-friendly designed as well.

WMK-H302's precise pan/tilt mechanism gives operators accurate pointing control while providing fully programmable scan patterns and slew-to-alarm functionality and delivers variable pan/tilt speeds from a speed of only 0.1° per second up to 120°/80° per second. The camera is capable of pan speeds of 250° per second between presets.

SPECIFICATIONS

MECHANICAL	
Dimension	231(Ø) x 385mm(H)
Weight	Approximately 6.4Kg
Body	IP66, External ABS / Internal Aluminum
IR LED	IR motorized Zoom
Pan	360°Continuous Pan, 0.1° to 120°/sec (proportional to zoom)
Pan Preset Speed	250°/sec, ± 0.1° Accuracy
Tilt	-8°(352°) to 188° movement, 0.8°~80°/sec (proportional to zoom)
Tilt Preset Speed	250°/sec, ± 0.05° Accuracy
ELECTRICAL	
Power Source	AC21~26V 60Hz / 50Hz(Power adaptor not included)
Heater & Cooling Fan	30W / 10000RPM Cooling Fan
Operating Temperature	-50°C to 70°C
Humidity	0% to 90% (non-condensing)
NETWORK	
Network interface	10/100-Base T Ethernet (auto-sensing)
Cabling & Connector type	CAT5 & RJ-45
API	ONVIF/PSIA Compliant
Security	Channel based for live-cast, PTZ, alarm output and audio
Protocol	HTTP, RTP/RTSP, TCP/IP, FTP, Telnet, RARP, PPPoE, SNMP, PAP, CHAP, NTP, SMTP client, uPNP
SDK	Open HTTP API (ActiveX for live cast with audio & PTZ)
Service	Image upload / Notification service
CAMERA	
Image Sensor	1/3" 2.2M Pixel Panasonic CMOS image sensor
Active pixels	1920(H)x1080(V) pixels
Minimum illumination	Color : 0.5 lux , BW : 0.1lux / Color DSS : 0.002 lux , BW DSS : 0.001 lux
Lens	30x zoom f= 4.3 mm (WIDE)~129 mm (TELE), F1.6 to F5.0
Digital zoom	32x (960x with Digital zoom)
Angle of view (H)	Approx. 65.1° degrees (WIDE end), approx. 2.34° degrees (TELE end)
Video Out	IP, HD-SDI and CVBS
Image compression	H.264 (Mpeg-4 Part 10/AVC), Motion JPEG
Streaming	Simultaneous dual streaming of H.264/MPEG or H.264
Resolution Scaling	Down to 1280x720, 640x352, 320x176, 160x96
Motion Detection	Selectable sensitivity and threshold
Electronic shutter control	Automatic, Manual(1/25 to 1/60,000 sec)
Iris control	Automatic, Manual
Day/Night control	Auto / Day / Night / Ext
Flicker control	Off / On
White balance	Auto / One Push / Manual / Indoor / Outdoor
Privacy Zone	8 Privacy zones
Presets	Up to 255 points
Tour	8 programmable tours
Pattern	4 Patterns for 60 seconds
Audio compression	8bit PCM (G.711 u-law), Sampling rates 8KHz, Mono
Audio channels	1ch audio-in & 1ch audio-out
Alarm In/Out	8 alarm-in, 2 dry contact relay-out rating 2A@30VAC