





4K LPR/ANPR/MMCR IR Bullet Camera











Key Features

- Max. 4K resolution
- 0.05Lux@F1.6 (Color), OLux (B/W, IR LED on)
- Day & Night(ICR), WDR(120dB)
- IR Viewable Length 30m (98.42ft)
- H.265, H.264, MJPEG codec, WiseStream II
- Wisenet Road AI application (Pre-installed)
- License/Number Plate Recognition
- Make/Model/Color Recognition
- Black/White list notification
- Smart Search (LP/NP, Country, brand, model, color)

Compatible Accessories (Optional)



SBP-302PM

^{*} Supported features may vary by region. Please contact your regional manager for more details.





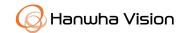






Specifications

Imaging Device	Video		
1280x1024_1280x90, 1280x720, 1120x720, 1024x788, 80x	Imaging Device	1/1.8" CMOS	
Min. Illumination Color: 0.05Lux[F1.6, 1/30sec), oLux(IR LED on) Wideo Out CVBS: 1.0 Vp-p / 750 composite, 720x480(N), 720x576(P) for installation Lens Focal Length (Zoom Ratio) A.5-10mm(2.2x) motorized varifocal Max. Aperture Ratio Aperture Ratio F1.6(Wide)-F2.65(Tele) Angular Field of View H:101.4"(Wide)-45.5"(Tele) / V:53.6"(Wide)-25.5"(Tele) / D:120.7"(Wide)-52.3"(Tele) Min. Object Distance O.5m(1.64ft) Focus Control Simple focus Lens Type Piris Operational Camera Title Displayed up to 85 characters Day & Night Auto(ICR) Backlight Compensation BLC, WDR, SSDR Digital Noise Reduction SSNRV Digital Image Stabilization Stabilization Support(built-in gyro sensor) Motion Detection Bea, polygonal zones 6ea, rectangle zones - Color: Gray/Black/White Gain Control Low / Middle / High White Balance ATW / AWC / Manual / Indoor / Outdoor LDC Support Electronic Shutter Speed Minimum / Maximum / Anti flicker (1/5-1/12,000sec) Video Rotation , Sound classification, Shock detection Alarm I/O Input 1ea / Output 1ea / Dct 12V Power(Max. 50mA) 1ea	Resolution	1280x1024,1280x960, 1280x720, 1024x768,	
Video Out Video Out CVBS: 1.0 Vp-p / 750 composite, 720x480(N), 720x576(P) for installation USB: Micro USB Type B. 1280x720 for installation Lens Focal Length (Zoom Ratio) 4.5-10mm(2.2x) motorized varifocal Max. Aperture Ratio F1.6(Wide)-F2.65(Tele) Min. Object Distance O.5m(1.64ft) Focus Control Simple focus Lens Type P iris Operational Camera Title Displayed up to 85 characters Day & Night Auto(ICR) Backlight Compensation BLC, WDR, SSDR Digital Noise Reduction SSNR V Digital Image Stabilization Stabilization Support(built-in gyro sensor) Motion Detection Bea, polygonal zones Privacy Masking - 6ea, rectangle zones - color: Gray/Black/White Gain Control Low / Middle / High White Balance ATW / AWC / Manual / Indoor / Outdoor LDC Support Electronic Shutter Speed Minimum / Maximum / Anti flicker (1/5-1/12,000sec) Video Rotation , Sound classification, Shock detection, Motion detection, Tampering, Audio detection, Sound classification, Shock detection Alarm I/O Input 1ea / Output 1ea / DC 12V Power (Max. 50mA) 1ea	Max. Framerate		
Lens Focal Length (Zoom Ratio)	Min. Illumination		
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Digital Noise Reduction SSNR V Digital Image Stabilization Stabilization Support(built-in gyro sensor) Motion Detection 8ea, polygonal zones Privacy Masking 6ea, rectangle zones - Color: Gray/Black/White Gain Control Low / Middle / High White Balance ATW / AWC / Manual / Indoor / Outdoor LDC Support Electronic Shutter Speed Minimum / Maximum / Anti flicker (1/5~1/12,000sec) Video Rotation Flip, Mirror, Hallway view(90-/270-) Analytics Defocus detection, Motion detection, Tampering, Audio detection, Sound classification, Shock detection Alarm I/O Input 1ea / Output 1ea / DC 12V Power(Max. 50mA) 1ea	, 3		
Digital Image Stabilization Stabilization Support(built-in gyro sensor) 8ea, polygonal zones Privacy Masking 6ea, rectangle zones - Color: Gray/Black/White Gain Control Low / Middle / High White Balance ATW / AWC / Manual / Indoor / Outdoor LDC Support Electronic Shutter Speed Minimum / Maximum / Anti flicker (1/5~1/12,000sec) Video Rotation Flip, Mirror, Hallway view(90-/270-) Analytics Defocus detection, Motion detection, Tampering, Audio detection, Sound classification, Shock detection Alarm I/O Input 1ea / Output 1ea / DC 12V Power(Max. 50mA) 1ea			
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Privacy Masking 6ea, rectangle zones - Color: Gray/Black/White Low / Middle / High White Balance ATW / AWC / Manual / Indoor / Outdoor LDC Support Electronic Shutter Speed Minimum / Maximum / Anti flicker (1/5~1/12,000sec) Video Rotation Flip, Mirror, Hallway view(90-/270-) Analytics Defocus detection, Motion detection, Tampering, Audio detection, Sound classification, Shock detection Alarm I/O Input 1ea / Output 1ea / DC 12V Power(Max. 50mA) 1ea	Digital Image Stabilization	Stabilization Support(built-in gyro sensor)	
Gain Control Low / Middle / High White Balance ATW / AWC / Manual / Indoor / Outdoor LDC Support Electronic Shutter Speed Minimum / Maximum / Anti flicker (1/5~1/12,000sec) Video Rotation Flip, Mirror, Hallway view(90-/270-) Analytics Defocus detection, Motion detection, Tampering, Audio detection, Sound classification, Shock detection Alarm I/O Input 1ea / Output 1ea / DC 12V Power(Max. 50mA) 1ea	Motion Detection	8ea, polygonal zones	
White Balance ATW / AWC / Manual / Indoor / Outdoor LDC Support Electronic Shutter Speed Minimum / Maximum / Anti flicker (1/5~1/12,000sec) Video Rotation Flip, Mirror, Hallway view(90-/270-) Analytics Defocus detection, Motion detection, Tampering, Audio detection, Sound classification, Shock detection Alarm I/O Input 1ea / Output 1ea / DC 12V Power(Max. 50mA) 1ea	Privacy Masking		
LDC Support Electronic Shutter Speed Minimum / Maximum / Anti flicker (1/5~1/12,000sec) Video Rotation Flip, Mirror, Hallway view(90-/270-) Analytics Defocus detection, Motion detection, Tampering, Audio detection, Sound classification, Shock detection Alarm I/O Input 1ea / Output 1ea / DC 12V Power(Max. 50mA) 1ea	Gain Control	Low / Middle / High	
Electronic Shutter Speed Minimum / Maximum / Anti flicker (1/5~1/12,000sec) Video Rotation Flip, Mirror, Hallway view(90-/270-) Analytics Defocus detection, Motion detection, Tampering, Audio detection, Sound classification, Shock detection Alarm I/O Input 1ea / Output 1ea / DC 12V Power(Max. 50mA) 1ea	White Balance	ATW / AWC / Manual / Indoor / Outdoor	
Video Rotation Flip, Mirror, Hallway view(90-/270-) Analytics Defocus detection, Motion detection, Tampering, Audio detection, Sound classification, Shock detection Alarm I/O Input 1ea / Output 1ea / DC 12V Power(Max. 50mA) 1ea	LDC	Support	
Analytics Defocus detection, Motion detection, Tampering, Audio detection, Sound classification, Shock detection Alarm I/O Input 1ea / Output 1ea / DC 12V Power(Max. 50mA) 1ea	Electronic Shutter Speed	Minimum / Maximum / Anti flicker (1/5~1/12,000sec)	
Alarm I/O Input 1ea / Output 1ea / DC 12V Power(Max. 50mA) 1ea	Video Rotation	Flip, Mirror, Hallway view(90-/270-)	
	Analytics		
Alarm Triggers Analytics, Network disconnect, Alarm input	Alarm I/O	Input 1ea / Output 1ea / DC 12V Power(Max. 50mA) 1ea	
	Alarm Triggers	Analytics, Network disconnect, Alarm input	



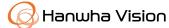
Alarm Events	File upload via FTP and e-mail Notification via e-mail SD/SDHC/SDXC or NAS recording at event triggers Alarm output Handover Audio playback	
Audio In	Selectable(mic in/line in/Built in mic) Supply voltage: 2.5VDC(4mA), Input impedance: 2K Ohm	
Audio Out	Line out, Max.output level: 1Vrms	
IR Viewable Length	30m(98.42ft)	
Network	Maria I al I al Agrico (400/400 PAGE T)	
Ethernet Video Communica	Metal shielded RJ-45(10/100/1000 BASE-T)	
Video Compression	H.265/H.264: Main/High, MJPEG	
Audio Compression	G.711 u-law /G.726 Selectable G.726(ADPCM) 8KHz, G.711 8KHz G.726: 16Kbps, 24Kbps, 32Kbps, 40Kbps AAC-LC: 48Kbps at 16KHz	
Smart Codec	Manual (5ea area), WiseStream II	
Bitrate Control	H.264/H.265: CBR or VBR MJPEG: VBR	
Streaming	Unicast(6 users) / Multicast Multiple streaming(Up to 3 profiles)	
Protocol	IPv4, IPv6, TCP/IP, UDP/IP, RTP(UDP), RTP(TCP), RTCP,RTSP, NTP, HTTP, HTTPS, SSL/TLS, DHCP, FTP, SMTP, ICMP, IGMP, SNMPv1/v2c/v3(MIB-2), ARP, DNS, DDNS, QoS, UPnP, Bonjour, LLDP, SRTP (TCP, UDP Unicast)	
Security	HTTPS(SSL) Login Authentication Digest Login Authentication IP Address Filtering User access log 802.1X Authentication(EAP-TLS, EAP-LEAP) Device Certificate(Hanwha Techwin Root CA) Secure boot	
Application Programming Interface	ONVIF Profile S/G/T SUNAPI(HTTP API) Wisenet open platform	
General		
Webpage Language	English, French, German, Spanish, Italian, Chinese, Korean, Russian, Japanese, Swedish, Portuguese, Czech, Polish, Turkish, Dutch, Hungarian, Greek	
Edge Storage	Pre-installed with 32GB Micro SD to support 10,000 LPR images	
Memory	4096MB RAM, 512MB Flash	
Facility and a state of the state of		
Environmental & Electrical	-40°C ~ +55°C(-40°F ~ +131°F) / Less than 90% RH	
Operating Temperature / Humidity	* Start up should be done at above -30°C	
Storage Temperature / Humidity	-50°C ~ +60°C(-58°F ~ +140°F) / Less than 90% RH	
Certification	IP66/IP67, IK10, NEMA4X	
Input Voltage	PoE+(IEEE802.3at), 12VDC	
Power Consumption	PoE+: Max 20.0W, typical 17.00W 12VDC: Max 18.00W, typical 16.00W	
Mechanical		
Color / Material	Dark gray / Aluminum	
Product Dimensions / Weight	Ø91.0x368.6mm (3.58" x 14.51") (Without sunshield), Weight : 2.48Kg (5.47lb)	
Wisenet Road AI LPR/ANPR/MMCR		

Design and specifications are subject to change without notice. The latest product information / specification can be found at HanwhaVision.com Hanwha Vision is formerly known as Hanwha Techwin.

Community Traffic

Solution

Parking Application



Speed Description	Moderate Speed	Low speed
Lane Coverage	1 lane (3.6m/12ft Wide) (with built in IR)	1 lane (3.6m/12ft Wide) (with built in IR)
Speed limit	Up to 70kmh (45mph) (with built in IR)	Up to 40kmh (25mph) (with built in IR)
Min. Forward Distance	12m (38ft)	10m (33ft)
Max. Forward Distance	12m (40ft) (with built in IR)	13m (45ft) (with built in IR)
Max. Horizontal Angle	25°	30°
Max. Vertical Angle	25°	30°
Horizontal Offset	Up to 5m (18ft)	Up to 7m (24ft)
Camera Height	Up to 5m (18ft)	Up to 7m (24ft)
Vehicle Recognition	Make: 70+ Model: 600+ Color: 11	
Available Countries	Albania, Armenia, Austria, Belarus, Belgium, Bosnia and Herzegovina, Bulgaria, Cyprus, Czechia, Denmark, Estonia, Finland, France, Greece, Germany, Hungary, Ireland, Iceland, Italy, Lithuania, Luxembourg, Latvia, Montenegro, North Macedonia, Malta, Netherlands, Norway, Poland, Portugal, Romania, Serbia, Slovenia, Slovakia, Spain, Switzerland, Turkey, United Kingdom, United States of America, Canada, Russian Federation, Azerbaijan, Uzbekistan, Ukraine, Kyrgyzstan, Kazakhstan, Tajikistan, Georgia, Turkmenistan, Australia, New zealand, Indonesia, Vietnam, Bahrain, Kuwait, Oman, Qatar, KSA (Kingdom of Saudi Arabia), UAE, South Africa, Hongkong/Taiwan (MMCR is not available)	



4K LPR/ANPR/MMCR IR Bullet Camera







CAD Unit:mm [inch]

