





XNB-8000

5M H.265 Box Camera











Key Features

- 0.07Lux@F1.2 (Color), 0.007Lux@F1.2 (B/W)
- Max. 30fps@all resolutions (H.265/H.264)
- DIS with built-in Gyro sensor
- Loitering, Directional detection, Fog detection
- Digital auto tracking, Sound classification
- Motion detection, Handover
- Dual SD slots (Max. 512GB)
- WiseStream II support

Compatible Devices









SHB-4200H

SHB-4200

SHB-4301HP

STB-4150V

X series XNB-8000



XNB-8000

5M H.265 Box Camera







Specifications

Resolution 2560x1920, 2560x1940, 1920x1080, 1400x1200, 1280x1024, 1280x960, 1280x720, 1024x768, 800x600, 800x448, 720x576, 720x480, 640x360, 520x240 Max. Framerate H.265/H.264: Max. 200fs/25/ps(60H2/50H2) Min. Illumination Color On Chur(F1.2.1/30sec)	Video	
Max. Framerate H.265/H.264: Max. 30Fs/25fps/60Ftz/50Hz) MIn. Illumination Color: 0.071_ux/F1.2. 1/30sec) BW: 0.0071_ux/F1.2. 1/30sec	Imaging Device	1/1.8" 6MP CMOS
MJPEC: Max.30fps/25fpsic0ht/s/50Hz) Min. Illumination Color: 0.07Lux(F1.2. 1/30sec) BW: 0.007Lux(F1.2. 1/30sec) BW: 0.007Lux(F1.2. 1/30sec) CVBS: 1.0 Vp-p / 750. composite. 720x480(N), 720x576(P) for installation USB: Micro USB Type B. 1280x720 for installation USB: Micro USB Type B. 1280x720 for installation Lens Focus Control Simple focus Lens Type DC auto iris. P iris Mount Type C mount CS mount Operational Camera Title Displayed up to 85 characters Day & Night Auto(ICR) Backlight Compensation BLC, HLC, WDR Wide Dynamic Range 120dB Digital Noise Reduction SSNRV Digital Image Stabilization Support(built-in gyro sensor) Defog Support(built-in ingro sensor) Defog Support(built-in optical filter) Motion Detection 8ea. 8point polygonal zones - Color: Grey(Green/Red/Blue/Black/White - Mosaic Gain Control Low / Middle / High White Balance ATW / AWC / Manual / Indoor / Outdoor LDC Support Defocus detection, Directional detection, Fog detection, Face detection, Motion detection, Digital autracking, Appear/Disappear, Enter/Exit, Loitering, Tampering, Virtual line, Audio detection, Sound classification Serial Interface RS-485(Samsung-T, Pelco-D/P, Panasonic, Bosch, AD, GE, Vicon, Honeywell) Alarm I/O Input 1ea / Output 1ea	Resolution	
BW: O.OD/Lux(F.1.2, 1/30sec) Video Out CVBS: 1.0 Vp-p / 75C composite, 720x480(N), 720x576(P) for installation USB: Micro USB Type B, 1280x720 for installation	Max. Framerate	H.265/H.264: Max.30fps/25fps(60Hz/50Hz) MJPEG: Max.30fps/25fps(60Hz/50Hz)
Lens Focus Control Simple focus Lens Type DC auto iris, P iris Mount Type C mount, CS mount Operational Camera Title Displayed up to 85 characters Day & Night Auto(ICR) Backlight Compensation BLC, HLC, WDR Wide Dynamic Range 120dB Digital Noise Reduction SSNRV Digital Image Stabilization Support(built-in gyro sensor) Defog Support(built-in optical filter) Motion Detection Bea. & Spoint polygonal zones Privacy Masking 32ea, 4point polygonal zones Privacy Masking 32ea, 4point polygonal zones Color: Grey/Green/Red/Blue/Black/White Motion Detection Low / Middle / High White Balance ATW / AWC / Manual / Indoor / Outdoor LDC Support Electronic Shutter Speed Minimum / Maximum / Anti flicker (2-1/12,000sec) Video Rotation Flip, Mirror, Hallway view(90-/270-) Analytics Defocus detection, Directional detection, Fog detection, Motion detection, Digital aut tracking, Appear/Disappear, Enter/Exit, Loitering, Tampering, Virtual line, Audio detection, Sound classification Serial Interface RS-485(Samsung-T, Pelco-D/P, Panasonic, Bosch, AD, GE, Vicon, Honeywell) Alarm I/O Input 1ea / Output 1ea	Min. Illumination	
Focus Control Lens Type DC auto iris, P iris Mount Type Cmount, CS mount Operational Camera Title Displayed up to 85 characters Day & Night Auto(ICR) Backlight Compensation BLC, HLC, WDR Wide Dynamic Range 120dB Digital Noise Reduction Support(built-in optical filter) Motion Detection 8ea, 8point polygonal zones Privacy Masking 32ea, 4point polygonal zones Privacy Masking 32ea, 4point polygonal zones - Color: Grey/Green/Red/Blue/Black/White - Mosaic Gain Control Low / Middle / High White Balance ATW / AWC / Manual / Indoor / Outdoor LDC Support Electronic Shutter Speed Minimum / Maximum / Anti flicker (2~1/12,000sec) Video Rotation Flip, Mirror, Hallway view(90~/270~) Analytics Defoxus detection, Fog detection, Face detection, Motion detection, Digital aut tracking, Appear/Disappear, Enter/Exit, Loitering, Tampering, Virtual line, Audio detection, Sound classification Serial Interface RS-485(Samsung-T, Pelco-D/P, Panasonic, Bosch, AD, GE, Vicon, Honeywell) Alarm I/O Input 1ea / Output 1ea	Video Out	
Lens Type DC auto iris, P iris Mount Type C mount. CS mount Operational Camera Title Displayed up to 85 characters Day & Night Auto(ICR) Backlight Compensation BLC, HLC, WDR Wide Dynamic Range 120dB Digital Noise Reduction SSNRV Digital Inage Stabilization Support(built-in gyro sensor) Defog Support(built-in optical filter) Motion Detection 8e.a. 8point polygonal zones Privacy Masking 32e.a. 4point polygonal zones Privacy Masking 32e.a. 4point polygonal zones Privacy Masking 12e.a. 4point polygonal zones - Color: Grey/Green/Red/Blue/Black/White - Nosaic Gain Control Low / Middle / High White Balance ATW / AWC / Manual / Indoor / Outdoor LDC Support Electronic Shutter Speed Minimum / Maximum / Anti flicker (2~1/12,000sec) Video Rotation Flip, Mirror, Hallway view(90~/270~) Analytics Defocus detection, Directional detection, Fog detection, Face detection, Motion detection, Digital autoracking, Appear/Disappear, Enter/Exit, Loitering, Tampering, Virtual line, Audio detection, Sound classification Serial Interface RS-485(Samsung-T, Pelco-D/P, Panasonic, Bosch, AD, GE, Vicon, Honeywell) Alarm I/O Input 1ea / Output 1ea	Lens	
Mount Type C mount, CS mount Camera Title Displayed up to 85 characters Day & Night Auto(ICR) Backlight Compensation BLC, HLC, WDR Wide Dynamic Range 120dB Digital Noise Reduction SSNRV Digital Image Stabilization Support(built-in gyro sensor) Defog Support(built-in optical filter) Motion Detection 8ea, 8point polygonal zones Privacy Masking 32ea, 4point polygonal zones - Color: Grey/Green/Red/Blue/Black/White - Mosaic Gain Control Low / Middle / High White Balance ATW / AWC / Manual / Indoor / Outdoor LDC Support Electronic Shutter Speed Minimum / Maximum / Anti flicker (2-1/12,000sec) Video Rotation Flip, Mirror, Hallway view(90-/270-) Analytics Defocus detection, Directional detection, Fog detection, Face detection, Motion detection, Digital aut tracking, Appear/Disappear, Enter/Exit, Loitering, Tampering, Virtual line, Audio detection, Sound classification Serial Interface RS-485(Samsung-T, Pelco-D/P, Panasonic, Bosch, AD, GE, Vicon, Honeywell) Alarm I/O Input 1ea / Output 1ea	Focus Control	Simple focus
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Camera Title Displayed up to 85 characters Day & Night Auto(ICR) Backlight Compensation BLC, HLC, WDR Wide Dynamic Range 120dB Digital Noise Reduction SSNRV Digital Image Stabilization Support(built-in gyro sensor) Defog Support(built-in optical filter) Motion Detection Bea, 8point polygonal zones - Color: Grey/Green/Red/Blue/Black/White - Mosaic Gain Control Low / Middle / High White Balance ATW / AWC / Manual / Indoor / Outdoor LDC Support Electronic Shutter Speed Minimum / Maximum / Anti flicker (2-1/12,000sec) Video Rotation Flip, Mirror, Hallway view(90-/270-) Analytics Defocus detection, Directional detection, Fog detection, Face detection, Motion detection, Sound classification Serial Interface RS-485(Samsung-T, Pelco-D/P, Panasonic, Bosch, AD, GE, Vicon, Honeywell) Alarm I/O Input 1ea / Output 1ea	Mount Type	C mount, CS mount
Day & Night Auto(ICR) Backlight Compensation BLC, HLC, WDR Wide Dynamic Range 120dB Digital Noise Reduction SSNRV Digital Image Stabilization Support(built-in gyro sensor) Defog Support(built-in optical filter) Motion Detection Bea, 8point polygonal zones - Color: Grey/Green/Red/Blue/Black/White - Mosaic Gain Control Low / Middle / High White Balance ATW / AWC / Manual / Indoor / Outdoor LDC Support Electronic Shutter Speed Minimum / Maximum / Anti flicker (2~1/12,000sec) Video Rotation Flip, Mirror, Hallway view(90~/270~) Analytics Defocus detection, Directional detection, Fog detection, Face detection, Motion detection, Sound classification Serial Interface RS-485(Samsung-T, Pelco-D/P, Panasonic, Bosch, AD, GE, Vicon, Honeywell) Alarm I/O Input 1ea / Output 1ea	Operational	
Backlight Compensation BLC, HLC, WDR Wide Dynamic Range 120dB Digital Noise Reduction SSNRV Digital Image Stabilization Support(built-in gyro sensor) Defog Support(built-in optical filter) Motion Detection Bea. 8point polygonal zones Privacy Masking 32ea. 4point polygonal zones - Color: Grey/Green/Red/Blue/Black/White - Mosaic Gain Control Low / Middle / High White Balance ATW / AWC / Manual / Indoor / Outdoor LDC Support Electronic Shutter Speed Minimum / Maximum / Anti flicker (2~1/12,000sec) Video Rotation Flip, Mirror, Hallway view(90-/270-) Analytics Defocus detection, Directional detection, Face detection, Motion detection, Digital aut tracking, Appear/Disappear, Enter/Exit, Loitering, Tampering, Virtual line, Audio detection, Sound classification Serial Interface RS-485(Samsung-T, Pelco-D/P, Panasonic, Bosch, AD, GE, Vicon, Honeywell) Alarm I/O Input 1ea / Output 1ea	Camera Title	Displayed up to 85 characters
Wide Dynamic Range 120dB Digital Noise Reduction SSNRV Digital Image Stabilization Support(built-in gyro sensor) Defog Support(built-in optical filter) Motion Detection 8ea, 8point polygonal zones Privacy Masking 32ea, 4point polygonal zones - Color: Grey/Green/Red/Blue/Black/White - Mosaic Gain Control Low / Middle / High White Balance ATW / AWC / Manual / Indoor / Outdoor LDC Support Electronic Shutter Speed Minimum / Maximum / Anti flicker (2~1/12,000sec) Video Rotation Flip, Mirror, Hallway view(90-/270-) Analytics Defocus detection, Directional detection, Fog detection, Face detection, Motion detection, Digital aut tracking, Appear/Disappear, Enter/Exit, Loitering, Tampering, Virtual line, Audio detection, Sound classification Serial Interface RS-485(Samsung-T, Pelco-D/P, Panasonic, Bosch, AD, GE, Vicon, Honeywell) Input 1ea / Output 1ea	Day & Night	Auto(ICR)
Digital Noise Reduction SSNRV Digital Image Stabilization Support(built-in gyro sensor) Motion Detection Sea, 8point polygonal zones Privacy Masking 32ea, 4point polygonal zones - Color: Grey/Green/Red/Blue/Black/White - Mosaic Gain Control Low / Middle / High White Balance ATW / AWC / Manual / Indoor / Outdoor LDC Support Electronic Shutter Speed Minimum / Maximum / Anti flicker (2~1/12,000sec) Video Rotation Flip, Mirror, Hallway view(90~/270~) Analytics Defocus detection, Directional detection, Fog detection, Face detection, Motion detection, Digital aut tracking, Appear/Disappear, Enter/Exit, Loitering, Tampering, Virtual line, Audio detection, Sound classification Serial Interface RS-485(Samsung-T, Pelco-D/P, Panasonic, Bosch, AD, GE, Vicon, Honeywell) Input 1ea / Output 1ea	Backlight Compensation	BLC, HLC, WDR
Digital Image Stabilization Support(built-in optical filter) Motion Detection 8ea, 8point polygonal zones Privacy Masking 32ea, 4point polygonal zones - Color: Grey/Green/Red/Blue/Black/White - Mosaic Gain Control Low / Middle / High White Balance ATW / AWC / Manual / Indoor / Outdoor LDC Support Electronic Shutter Speed Minimum / Maximum / Anti flicker (2~1/12,000sec) Video Rotation Flip, Mirror, Hallway view(90-/270-) Analytics Defocus detection, Directional detection, Fog detection, Face detection, Motion detection, Digital aut tracking, Appear/Disappear, Enter/Exit, Loitering, Tampering, Virtual line, Audio detection, Sound classification Serial Interface RS-485(Samsung-T, Pelco-D/P, Panasonic, Bosch, AD, GE, Vicon, Honeywell) Input 1ea / Output 1ea	Wide Dynamic Range	120dB
Defog Support(built-in optical filter) Motion Detection 8ea, 8point polygonal zones Privacy Masking 32ea, 4point polygonal zones - Color: Grey/Green/Red/Blue/Black/White - Mosaic Gain Control Low / Middle / High White Balance ATW / AWC / Manual / Indoor / Outdoor LDC Support Electronic Shutter Speed Minimum / Maximum / Anti flicker (2~1/12,000sec) Video Rotation Flip, Mirror, Hallway view(90-/270-) Analytics Defocus detection, Directional detection, Fog detection, Face detection, Motion detection, Digital aut tracking, Appear/Disappear, Enter/Exit, Loitering, Tampering, Virtual line, Audio detection, Sound classification Serial Interface RS-485(Samsung-T, Pelco-D/P, Panasonic, Bosch, AD, GE, Vicon, Honeywell) Alarm I/O Input 1ea / Output 1ea	Digital Noise Reduction	SSNRV
Motion Detection 8ea, 8point polygonal zones Privacy Masking 32ea, 4point polygonal zones - Color: Grey/Green/Red/Blue/Black/White - Mosaic Gain Control Low / Middle / High White Balance ATW / AWC / Manual / Indoor / Outdoor LDC Support Electronic Shutter Speed Minimum / Maximum / Anti flicker (2~1/12,000sec) Video Rotation Flip, Mirror, Hallway view(90-/270-) Analytics Defocus detection, Directional detection, Face detection, Motion detection, Digital aut tracking, Appear/Disappear, Enter/Exit, Loitering, Tampering, Virtual line, Audio detection, Sound classification Serial Interface RS-485(Samsung-T, Pelco-D/P, Panasonic, Bosch, AD, GE, Vicon, Honeywell) Input 1ea / Output 1ea	Digital Image Stabilization	Support(built-in gyro sensor)
Privacy Masking 32ea, 4point polygonal zones - Color: Grey/Green/Red/Blue/Black/White - Mosaic Gain Control Low / Middle / High White Balance ATW / AWC / Manual / Indoor / Outdoor LDC Support Electronic Shutter Speed Minimum / Maximum / Anti flicker (2~1/12,000sec) Video Rotation Flip, Mirror, Hallway view(90-/270-) Analytics Defocus detection, Directional detection, Fog detection, Face detection, Motion detection, Digital aut tracking, Appear/Disappear, Enter/Exit, Loitering, Tampering, Virtual line, Audio detection, Sound classification Serial Interface RS-485(Samsung-T, Pelco-D/P, Panasonic, Bosch, AD, GE, Vicon, Honeywell) Input 1ea / Output 1ea	Defog	Support(built-in optical filter)
- Color: Grey/Green/Red/Blue/Black/White - Mosaic Gain Control Low / Middle / High White Balance ATW / AWC / Manual / Indoor / Outdoor LDC Support Electronic Shutter Speed Minimum / Maximum / Anti flicker (2~1/12,000sec) Video Rotation Flip, Mirror, Hallway view(90-/270-) Analytics Defocus detection, Directional detection, Fog detection, Face detection, Motion detection, Digital aut tracking, Appear/Disappear, Enter/Exit, Loitering, Tampering, Virtual line, Audio detection, Sound classification Serial Interface RS-485(Samsung-T, Pelco-D/P, Panasonic, Bosch, AD, GE, Vicon, Honeywell) Input 1ea / Output 1ea	Motion Detection	8ea, 8point polygonal zones
White Balance ATW / AWC / Manual / Indoor / Outdoor LDC Support Electronic Shutter Speed Minimum / Maximum / Anti flicker (2~1/12,000sec) Video Rotation Flip, Mirror, Hallway view(90-/270-) Analytics Defocus detection, Directional detection, Fog detection, Face detection, Motion detection, Digital aut tracking, Appear/Disappear, Enter/Exit, Loitering, Tampering, Virtual line, Audio detection, Sound classification Serial Interface RS-485(Samsung-T, Pelco-D/P, Panasonic, Bosch, AD, GE, Vicon, Honeywell) Input 1ea / Output 1ea	Privacy Masking	- Color: Grey/Green/Red/Blue/Black/White
Electronic Shutter Speed Minimum / Maximum / Anti flicker (2~1/12,000sec) Video Rotation Flip, Mirror, Hallway view(90-/270-) Analytics Defocus detection, Directional detection, Fog detection, Face detection, Motion detection, Digital aut tracking, Appear/Disappear, Enter/Exit, Loitering, Tampering, Virtual line, Audio detection, Sound classification Serial Interface RS-485(Samsung-T, Pelco-D/P, Panasonic, Bosch, AD, GE, Vicon, Honeywell) Alarm I/O Input 1ea / Output 1ea	Gain Control	Low / Middle / High
Electronic Shutter Speed Minimum / Maximum / Anti flicker (2~1/12,000sec) Video Rotation Flip, Mirror, Hallway view(90-/270-) Analytics Defocus detection, Directional detection, Fog detection, Face detection, Motion detection, Digital aut tracking, Appear/Disappear, Enter/Exit, Loitering, Tampering, Virtual line, Audio detection, Sound classification Serial Interface RS-485(Samsung-T, Pelco-D/P, Panasonic, Bosch, AD, GE, Vicon, Honeywell) Alarm I/O Input 1ea / Output 1ea	White Balance	ATW / AWC / Manual / Indoor / Outdoor
Video Rotation Flip, Mirror, Hallway view(90-/270-) Analytics Defocus detection, Directional detection, Fog detection, Face detection, Motion detection, Digital aut tracking, Appear/Disappear, Enter/Exit, Loitering, Tampering, Virtual line, Audio detection, Sound classification Serial Interface RS-485(Samsung-T, Pelco-D/P, Panasonic, Bosch, AD, GE, Vicon, Honeywell) Input 1ea / Output 1ea	LDC	Support
Analytics Defocus detection, Directional detection, Fog detection, Face detection, Motion detection, Digital aut tracking, Appear/Disappear, Enter/Exit, Loitering, Tampering, Virtual line, Audio detection, Sound classification Serial Interface RS-485(Samsung-T, Pelco-D/P, Panasonic, Bosch, AD, GE, Vicon, Honeywell) Input 1ea / Output 1ea	Electronic Shutter Speed	Minimum / Maximum / Anti flicker (2~1/12,000sec)
tracking, Appear/Disappear, Enter/Exit, Loitering, Tampering, Virtual line, Audio detection, Sound classification Serial Interface RS-485(Samsung-T, Pelco-D/P, Panasonic, Bosch, AD, GE, Vicon, Honeywell) Alarm I/O Input 1ea / Output 1ea	Video Rotation	Flip, Mirror, Hallway view(90-/270-)
Alarm I/O Input 1ea / Output 1ea	Analytics	
	Serial Interface	RS-485(Samsung-T, Pelco-D/P, Panasonic, Bosch, AD, GE, Vicon, Honeywell)
Alarm Triggers Analytics, Network disconnect, Alarm input	Alarm I/O	Input 1ea / Output 1ea
	Alarm Triggers	Analytics, Network disconnect, Alarm input

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.





Alarm Events	File upload via FTP and e-mail Notification via e-mail SD/SDHC/SDXC or NAS recording at event triggers Alarm output
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
Network	
Ethernet	RJ-45(10/100BASE-T)
Video Compression	H.265/H.264: Main/Baseline/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 8/16/32/48KHz
Smart Codec	Manual (5ea area), WiseStream II
Bitrate Control	H.264/H.265: CBR or VBR MJPEG: VBR
Streaming	Unicast(20 users) / Multicast Multiple streaming(Up to 10 profiles)
Protocol	IPv4, IPv6, TCP/IP, UDP/IP, RTP(UDP), RTP(TCP), RTCP, RTSP, NTP, HTTP, HTTPS, SSL/TLS, DHCP, PPPoE, FTP, SMTP, ICMP, IGMP, SNMPv1/v2c/v3(MIB-2), ARP, DNS, DDNS, QoS, UPnP, Bonjour, SRTP (TCP, UDP Unicast), LLDP
Security	HTTPS(SSL) Login Authentication Digest Login Authentication IP Address Filtering User access log 802.1X Authentication(EAP-TLS, EAP-LEAP)
Application Programming Interface	ONVIF Profile S/G/T SUNAPI(HTTP API) Wisenet open platform
General	
Webpage Language	English, Korean, Chinese, French, Italian, Spanish, German, Japanese, Russian, Swedish,, Portuguese, Czech, Polish, Turkish, Dutch, Hungarian, Greek
Edge Storage	Micro SD/SDHC/SDXC 2slot 512GB
Memory	1024MB RAM, 256MB Flash
Environmental & Electrical	
Operating Temperature / Humidity	-10°C ~ +55°C(+14°F ~ +131°F) / Less than 90% RH
Storage Temperature / Humidity	-50°C ~ +60°C(-58°F ~ +140°F) / Less than 90% RH
Input Voltage	PoE(IEEE802.3af, Class3), 24VAC, 12VDC
Power Consumption	PoE: Max 8.50W 12VDC: Max 7.50W 24VAC: Max 8.50W
Mechanical	
Color / Material	Black, Ivory / Plastic
Product Dimensions / Weight	73.1x66.6x147.8mm(2.88x2.62x5.82"), 420g(0.93 lb)

X series XNB-8000



XNB-8000

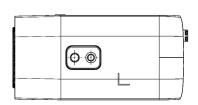
5M H.265 Box Camera







CAD Unit:mm [inch]



XNB-6000 XNB-8000 UNIT : mm(inch)

