



SBP-300CMW1

SBP-900CMW

SBP-300CMTW

SBP-300PMW2

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.

SBP-300WMW1 SBP-390WMW2 SBP-160WMW1 SBD-180PMW

SBP-160HMW1

SBP-300WMW

SBP-150CMI

SBP-300CMI

SBP-300CMTS

SBP-300LMW









## **Specifications**

| Imaging Device     1/2.8" CMOS       Resolution     2952x1520, 2560x1440, 1920x1020, 1280x1024, 1280x960, 1280x720, 1024x768, 800x600, 800x448,<br>720x577, 720x480, 640x463, 620x260       Max. Framerate     Max. 201ps150/ps160/LAVS0Hz/S0Hz10WR off)<br>MALPEG: Max. 301ps160/LAVS0Hz/S0Hz10WR off)<br>MALPEG: Max. 301ps160/LAVS0Hz10WR Max. 51ps<br>Color: 0.038LuxF1-4, 1/30sec, 30RE)       Win. Illumination     Color: 0.038LuxF1-4, 1/30sec, 30RE)<br>BW: 0.0007Lux(F1-4, 1/60sec, 30RE)       Wideo Out     USB: Micro USB Type B, 1280x720 for installation       Lens     F.4.0007Lux(F1-4, 1/60sec, 30RE)       Max. Aperture Ratio     F.1.40Wide)-F30/Tele)       Max. Aperture Ratio     F.1.40Wide)-630/Tele)       Ansay, Aperture Ratio     F.1.40Wide)-435/Tele)       Min. Object Distance     0.5m(1.64H)       Focus Control     Simple focus, Manual       Lens Type     DC auto iris with hall sensor(IR corrected)       Verture     Or-360" (0*-90" / 0*-360"       Verture     Displayed up to 85 characters       Operational     Busklight Compensation       Busklight Compensation     BUc, HLC, WDR SSDR       Wide Dynamic Range     extremWDR[120dB)       Day & Night     Auto(ICR)       Basklight Compensation     BUc, HLC, WDR SSDR <t< th=""><th>Video</th><th></th></t<>  | Video                       |   |
|---|-----------------------------|---|
| T20x574, 720x480, 440x480, 440x360, 320x240     Max, Framerate   H265/H 2464: Max, 40/p3/50/ps/60/H/S0H2/0H2/0H2/0H2/0H2/0H2/0H2/0H2/0H2/0H2/   | Imaging Device              | 1/2.8" CMOS                                       |
| Max. 307p:/257pi6/04//305.257pi6/04//305.257pi6Min. IlluminationColor: 0.038Lux(F1.4. 1/30sec; 30/RE). 0Lux(IR LED on); 30/25/ps<br>Color: 0.038Lux(F1.4. 1/30sec; 30/RE). 0Lux(IR LED on); 30/25/ps<br>Color: 0.076Lux(F1.4. 1/30sec; 30/RE). 0Lux(IR LED on); 30/25/psVideo OutUSE: Micro USB Type B, 1280x720 for installationUse: Micro USB Type B, 1280x720 for installationMin. Object Distance0.5m(1.64ft)Focus ControlSimple focus, ManualLens TypePan / Tilt / RotatePan / Tilt / RotatePan / Tilt / RotateOperationalCamera TitleDay & NightAutol(CR)Backlight CompensationBLC, HLC, WDR, SSDRWide Dynamic RangeUse NR II (Based on Al engine), SSNR VDigital Noise ReductionWise NR II (Based on Al engine), SSNR VDigital Noise ReductionBes, apoint Polygonal zonesPrivacy MaskingColor: Gray (Sreen/Red/Blue/Black/White<br>- Color: Gray (Sreen/Red/Blue/Black/White | Resolution                  |   |
| BW: 0.0038Lux(F1.4.1/30sec. 30IRE). 0.Lux(IR LED on). 30/25fps<br>Color: 0.076Lux(F1.4.1/60sec. 30IRE). 0.Lux(IR LED on). 60/50fpsVideo OutUSB: Micro USB Type B. 1280x720 for installationLensFocal Length (Zoom Ratio)2.8-10mm(3.6x) motorized varifocalAngular Field of ViewF1.4(Wide)-F3.0(Tele)Angular Field of ViewF1.10(Wide)-30'(Tele)<br>V: 61'(Wide)-17'(Tele)<br>D: 22'(Wide)-35'(Tele)Min. Object Distance0.5m(1.64ft)Focus ControlSimple focus. Manual<br>Lens TypeDC auto iris with hall sensor(IR corrected)Pan / Tilt / RotatePan / Tilt / RotatePan / Tilt / RotateOperationalCamera TitleDisplayed up to 85 charactersDay & NightAuto(ICR)Backlight CompensationBLC. HLC. WDR. SSDRWide Dynamic RangeextremeWDR(120dB)Digital Inage StabilizationSupport(built-in gyro sensor)DefonSupport(built-in gy  | Max. Framerate              | Max. 30fps/25fps(60Hz/50Hz)(WDR on)               |
| Wiedo Out USB: Micro USB Type B. 1280x720 for installation   Video Out USB: Micro USB Type B. 1280x720 for installation   Lens 2.8-10mm(3.6x) motorized varifocal   Focal Length (Zoom Ratio) 2.8-10mm(3.6x) motorized varifocal   Max. Aperture Ratio F1.4(Wide)-F3.0(Tele)   Angular Field of View $k_1:10^{(Wide)}-30^{(Tele)}$ Min. Object Distance 0.5m(1.4dt)   Focus Control Simple focus. Manual   Lens Type 0.5m(1.6dtf)   Pan / Tilt / Rotate 0°-360° / 0°-90° / 0°-360°   Pan / Tilt / Rotate Range 0°-360° / 0°-90° / 0°-360°   Operational Camera Title   Operational Displayed up to 85 characters   Day & Night Auto(ICR)   Backlight Compensation BLC, HLC, WDR, SSDR   Wide Dynamic Range extremeWDR(120dB)   Digtal Noise Reduction Support   Digtal Noise Reduction Support   Motion Detection Sea. Apoint Ouganal zones   Privacy Mashing Support (Quadrangle zones   Privacy Mashing Support (Quadrangle zones   Color Gray/Green/Red/Blue/Black/White -color: Gray/Green/Red/Blue/Black/White   | Min. Illumination           |   |
| Lens     Focal Length (Zoom Ratio)   2.8-10mm(3.6x) motorized varifocal     Max. Aperture Ratio   F1.4(Wide)-F3.0(Tele)     Angular Field of View   H: 110°(Wide)-S3.0(Tele)     Min. Object Distance   0.5m(1.44ft)     Focus Control   Simple focus, Manual     Lens Type   DC auto iris with hall sensor(IR corrected)     Variant Control   Simple focus, Manual     Pan / Tilt / Rotate   Pan / Tilt / Rotate     Pan / Tilt / Rotate   O'-360° / O'-90° / O'-360°     Operational   Camera Title     Day & Night   Auto(CR)     Backlight Compensation   BLC, HLC, WDR, SSDR     Wide Dynamic Range   extremeWDR(1204B)     Digital Noise Reduction   WiseNR II (Based on Al engine), SSNR V     Digital Noise Reduction   Support (Duilt-in gyro sensor)     Defog   Support     Motion Detection   8ea, 8point Polygonal zones     Privacy Masking   32ea, 4point Quadrangle zones - Color: Gray/Green/Red/Blue/Black/White - Mosaic     Gain Control   Off / Max Gain / Manual     White Balance   ATW / NarrowATW / AWC / Manual / Indoor / Outdoor   |                             |   |
| Focal Length (Zoom Ratio)2.8-10mm(3.6x) motorized varifocalMax. Aperture RatioF1.4(Wide)-F3.0(Tele)Angular Field of ViewH: 110'(Wide)-30'(Tele)b: 132'(Wide)-35'(Tele)D: 132'(Wide)-35'(Tele)Min. Object Distance0.5m(1.64ft)Focus ControlSimple focus. ManualLens TypeDC auto iris with hall sensor(IR corrected)Pan / Tilt / Rotate0°-360° / 0°-90° / 0°-360°Pan / Tilt / Rotate Range0°-360° / 0°-90° / 0°-360°OperationalDisplayed up to 85 charactersCamera TitleDisplayed up to 85 charactersDay & NightAuto(ICR)Backlight CompensationBLC, HLC, WDR, SSDRWide Dynamic RangeextremeWDR(120dB)Digital Noise ReductionSupport(Duilt-in gyro sensor)DefogSupport(Duilt-in gyro sensor)DefogSupport(Duilt-in gyro sensor)Privacy Masking32e.4.4.4.5.4.6.Weite Black./White<br>- Color: Gray/Green/Red/Blue/Black//White<br>- MosaicGain ControlOff / Max Gain / ManualWhite BalanceATW / NarrowATW / AWC / Manual / Indoor / Outdoor  | Video Out                   | USB: Micro USB Type B, 1280x720 for installation  |
| Nax. Aperture RatioF1.4(Wide)-F3.0(Tele)Angular Field of ViewH: 110"(Wide)-30"(Tele)<br>V: 61"(Wide)-35"(Tele)<br>D: 132"(Wide)-35"(Tele)Min. Object Distance0.5m(1.64f)Focus ControlSimple focus. ManualLens TypeDC auto iris with hall sensor(IR corrected)Pan / Tilt / Rotate0"-360" / 0"-90" / 0"-360"Pan / Tilt / Rotate0"-360" / 0"-90" / 0"-360"Operational0Camera TitleDisplayed up to 85 charactersDay & NightAuto(ICR)Backlight CompensationBLC, HLC, WDR, SSDRWide Dynamic RangeextremeWDR(120dB)Digital Noise ReductionSupport(Duilt-in gyro sensor)DefogSupportMotion Detection8ea, 8point Polygonal zonesPrivacy Masking32ea, 4point Quarangle zones<br>- Color: Gray/Green/Red/Blue/Black/White<br>- MosaicGain ControlOff / Max Gain / ManualWhite BalanceATW / NarrowATW / AWC / Manual / Indoor / Outdoor   | Lens                        |   |
| Angular Field of ViewH: 110°(Wide)-30°(Tele)<br>V: 61'(Wide)-37'(Tele)<br>D: 132°(Wide)-35°(Tele)<br>V: 61'(Wide)-35°(Tele)<br>D: 132°(Wide)-35°(Tele)<br>D: 132°(Wide)-35°(Tele)<br>D: 132°(Wide)-35°(Tele)<br>D: 132°(Wide)-35°(Tele)Min. Object Distance0.5132°(Wide)-35°(Tele)<br>D: 132°(Wide)-35°(Tele)Focus ControlSimple focus, Manual<br>De duto iris with hall sensor(IR corrected)Lens TypeOc auto iris with hall sensor(IR corrected)Pan / Tilt / Rotate0°-360° / 0°-90° / 0°-360°Pan / Tilt / Rotate Range0°-360° / 0°-90° / 0°-360°OperationalOc<br>Or -360° / 0°-90° / 0°-360°Camera TitleDisplayed up to 85 charactersDay & NightAuto(ICR)Backlight CompensationBLC, HLC, WDR, SSDRWide Dynamic RangeextremeWDR(120dB)Digital Noise ReductionWiseNR II (Based on Al engine), SSNR VDigital Inage StabilizationSupportDefogSupportMotion DetectionBea, 8point Polygonal zonesPrivacy Masking2ca, 4point Quadrangle zones<br>- Color: Gray/Green/Red/Blue/Black/White<br>- MosaicGain ControlOff / Max Gain / ManualWhite BalanceATW / NarrowATW / AWC / Manual / Indoor / Outdoor  | Focal Length (Zoom Ratio)   | 2.8~10mm(3.6x) motorized varifocal                |
| "C a "(Wide) - 17"(Tele)<br>D: 132"(Wide)-35"(Tele)Min. Object Distance0.5m(1.64ft)Focus ControlSimple focus, ManualLens TypeD c auto iris with hall sensor(IR corrected)Pan / Tilt / RotateD c auto iris with hall sensor(IR corrected)Pan / Tilt / Rotate Range0"~360" / 0"~90" / 0"~360"Pan / Tilt / Rotate Range0"~360" / 0"~90" / 0"~360"Operational0"~360" / 0"~90" / 0"~360"Camera TitleDisplayed up to 85 charactersDay & NightAuto(ICR)Backlight CompensationBLC, HLC, WDR, SSDRWide Dynamic RangeextremeWDR(120dB)Digital Noise ReductionWiseNR II (Based on Al engine), SSNR VDigital Image StabilizationSupport(built-in gyro sensor)DefogSupportMotion Detection8ea. 8point Polygonal zonesPrivacy Masking3c2ea. 4point Quadrangle zones<br>- Color: Gray/Green/Red/Blue/Black/White<br>- MosaicGain ControlOff / Max Gain / ManualWhite BalanceATW / NarrowATW / AWC / Manual / Indoor / Outdoor  | Max. Aperture Ratio         | F1.4(Wide)~F3.0(Tele)                             |
| Focus Control   Simple focus, Manual     Lens Type   DC auto iris with hall sensor(IR corrected)     Pan / Tilk / Rotate   Pan / Tilk / Rotate     Pan / Tilk / Rotate   0°-360° / 0°-90° / 0°-360°     Operational   0°-360° / 0°-90° / 0°-360°     Operational   Usplayed up to 85 characters     Day & Night   Auto(ICR)     Backlight Compensation   BLC, HLC, WDR, SSDR     Wide Dynamic Range   extremeWDR(120dB)     Digital Noise Reduction   WiseNR II (Based on Al engine), SSNR V     Digital Image Stabilization   Support(built-in gyro sensor)     Defog   Support (Dugnal zones     Privacy Masking   20:20:arg/Green/Red/Blue/Black/White<br>- Mosaic     Gain Control   Off / Max Gain / Manual     White Balance   ATW / NarrowATW / AWC / Manual / Indoor / Outdoor  | Angular Field of View       | V: 61°(Wide)~17°(Tele)                            |
| Lens Type   DC auto iris with hall sensor(IR corrected)     Pan / Tilt / Rotate   0°-360° / 0°-90° / 0°-360°     Pan / Tilt / Rotate Range   0°-360° / 0°-90° / 0°-360°     Operational   0°-360° / 0°-90° / 0°-360°     Camera Title   Displayed up to 85 characters     Day & Night   Auto(ICR)     Backlight Compensation   BLC, HLC, WDR, SSDR     Wide Dynamic Range   extremeWDR(120dB)     Digital Noise Reduction   WiseNR II (Based on Al engine), SSNR V     Digital Image Stabilization   Support     Motion Detection   8ea, 8point Polygonal zones     Privacy Masking   32ea, 4point Quadrangle zones<br>- Color: Gray/Green/Red/Blue/Black/White<br>- Mosaic     Gain Control   Off / Max Gain / Manual     White Balance   ATW / NarrowATW / AWC / Manual / Indoor / Outdoor  | Min. Object Distance        | 0.5m(1.64ft)                                      |
| Pan / Tilt / Rotate     Pan / Tilt / Rotate Range   0°~360° / 0°~90° / 0°~360°     Operational     Camera Title   Displayed up to 85 characters     Day & Night   Auto(ICR)     Backlight Compensation   BLC, HLC, WDR, SSDR     Wide Dynamic Range   extremeWDR(120dB)     Digital Noise Reduction   WiseNR II (Based on AI engine), SSNR V     Digital Image Stabilization   Support(built-in gyro sensor)     Defog   Support     Motion Detection   8ea. 8point Polygonal zones     Privacy Masking   32ea, 4point Quadrangle zones<br>- Color: Gray/Green/Red/Blue/Black/White<br>- Mosaic     Gain Control   Off / Max Gain / Manual     White Balance   ATW / NarrowATW / AWC / Manual / Indoor / Outdoor  | Focus Control               | Simple focus, Manual                              |
| Pan / Tilt / Rotate Range   0°-360° / 0°-90° / 0°-360°     Operational   Comera Title     Camera Title   Displayed up to 85 characters     Day & Night   Auto(ICR)     Backlight Compensation   BLC, HLC, WDR, SSDR     Wide Dynamic Range   extremeWDR(120dB)     Digital Noise Reduction   WiseNR II (Based on AI engine), SSNR V     Digital Image Stabilization   Support(built-in gyro sensor)     Defog   Support     Motion Detection   8ea, 8point Polygonal zones     Privacy Masking   32ea, 4point Quadrangle zones<br>- Color: Gray/Green/Red/Blue/Black/White<br>- Mosaic     Gain Control   Off / Max Gain / Manual     White Balance   ATW / NARTOWATW / AWC / Manual / Indoor / Outdoor   | Lens Type                   | DC auto iris with hall sensor(IR corrected)       |
| Operational   Camera Title Displayed up to 85 characters   Day & Night Auto(ICR)   Backlight Compensation BLC, HLC, WDR, SSDR   Wide Dynamic Range extremeWDR(120dB)   Digital Noise Reduction WiseNR II (Based on AI engine), SSNR V   Digital Image Stabilization Support(built-in gyro sensor)   Defog Support   Motion Detection 8ea, 8point Polygonal zones   Privacy Masking 32ea, 4point Quadrangle zones<br>- Color: Gray/Green/Red/Blue/Black/White<br>- Mosaic   Gain Control Off / Max Gain / Manual   White Balance ATW / NarrowATW / AWC / Manual / Indoor / Outdoor   | Pan / Tilt / Rotate         |   |
| Camera TitleDisplayed up to 85 charactersDay & NightAuto(ICR)Backlight CompensationBLC, HLC, WDR, SSDRWide Dynamic RangeextremeWDR(120dB)Digital Noise ReductionWiseNR II (Based on AI engine), SSNR VDefogSupport(built-in gyro sensor)DefogSupportMotion Detection8ea, 8point Polygonal zonesPrivacy Masking32ea, 4point Quadrangle zones<br>- Color: Gray/Green/Red/Blue/Black/White<br>- MosaicGain ControlOff / Max Gain / ManualWhite BalanceATW / NarrowATW / AWC / Manual / Indoor / Outdoor  | Pan / Tilt / Rotate Range   | 0°~360° / 0°~90° / 0°~360°                        |
| Day & NightAuto(ICR)Backlight CompensationBLC, HLC, WDR, SSDRWide Dynamic RangeextremeWDR(120dB)Digital Noise ReductionWiseNR II (Based on AI engine), SSNR VDigital Image StabilizationSupport(built-in gyro sensor)DefogSupportMotion DetectionBea, 8point Polygonal zonesPrivacy Masking32ea, 4point Quadrangle zones<br>- Color: Gray/Green/Red/Blue/Black/White<br>- MosaicGain ControlOff / Max Gain / ManualWhite BalanceATW / NarrowATW / AWC / Manual / Indoor / Outdoor   | Operational                 |   |
| Backlight CompensationBLC, HLC, WDR, SSDRWide Dynamic RangeextremeWDR(120dB)Digital Noise ReductionWiseNR II (Based on AI engine), SSNR VDigital Image StabilizationSupport(built-in gyro sensor)DefogSupportMotion Detection8ea, 8point Polygonal zonesPrivacy Masking32ea, 4point Quadrangle zones<br>- Color: Gray/Green/Red/Blue/Black/White<br>- MosaicGain ControlOff / Max Gain / ManualWhite BalanceATW / NarrowATW / AWC / Manual / Indoor / Outdoor   | Camera Title                | Displayed up to 85 characters                     |
| Wide Dynamic RangeextremeWDR(120dB)Digital Noise ReductionWiseNR II (Based on AI engine), SSNR VDigital Image StabilizationSupport(built-in gyro sensor)DefogSupportMotion DetectionBea, 8point Polygonal zonesPrivacy Masking32ea, 4point Quadrangle zones<br>- Color: Gray/Green/Red/Blue/Black/White<br>- MosaicGain ControlOff / Max Gain / ManualWhite BalanceATW / NarrowATW / AWC / Manual / Indoor / Outdoor  | Day & Night                 | Auto(ICR)   |
| Digital Noise ReductionWiseNR II (Based on AI engine), SSNR VDigital Image StabilizationSupport(built-in gyro sensor)DefogSupportMotion Detection8ea, 8point Polygonal zonesPrivacy Masking32ea, 4point Quadrangle zones<br>- Color: Gray/Green/Red/Blue/Black/White<br>- MosaicGain ControlOff / Max Gain / ManualWhite BalanceATW / NarrowATW / AWC / Manual / Indoor / Outdoor   | Backlight Compensation      | BLC, HLC, WDR, SSDR                               |
| Digital Image StabilizationSupport(built-in gyro sensor)DefogSupportMotion Detection8ea, 8point Polygonal zonesPrivacy Masking32ea, 4point Quadrangle zones<br>- Color: Gray/Green/Red/Blue/Black/White<br>- MosaicGain ControlOff / Max Gain / ManualWhite BalanceATW / NarrowATW / AWC / Manual / Indoor / Outdoor  | Wide Dynamic Range          | extremeWDR(120dB)                                 |
| DefogSupportMotion Detection8ea, 8point Polygonal zonesPrivacy Masking32ea, 4point Quadrangle zones<br>- Color: Gray/Green/Red/Blue/Black/White<br>- MosaicGain ControlOff / Max Gain / ManualWhite BalanceATW / NarrowATW / AWC / Manual / Indoor / Outdoor  | Digital Noise Reduction     | WiseNR II (Based on Al engine), SSNR V            |
| Motion Detection8ea, 8point Polygonal zonesPrivacy Masking32ea, 4point Quadrangle zones<br>- Color: Gray/Green/Red/Blue/Black/White<br>- MosaicGain ControlOff / Max Gain / ManualWhite BalanceATW / NarrowATW / AWC / Manual / Indoor / Outdoor  | Digital Image Stabilization | Support(built-in gyro sensor)                     |
| Privacy Masking32ea, 4point Quadrangle zones<br>- Color: Gray/Green/Red/Blue/Black/White<br>- MosaicGain ControlOff / Max Gain / ManualWhite BalanceATW / NarrowATW / AWC / Manual / Indoor / Outdoor   | Defog                       | Support   |
| - Color: Gray/Green/Red/Blue/Black/White   - Mosaic   Gain Control Off / Max Gain / Manual   White Balance ATW / NarrowATW / AWC / Manual / Indoor / Outdoor  | Motion Detection            | 8ea, 8point Polygonal zones                       |
| White Balance   ATW / NarrowATW / AWC / Manual / Indoor / Outdoor   | Privacy Masking             | - Color: Gray/Green/Red/Blue/Black/White          |
|   | Gain Control                | Off / Max Gain / Manual                           |
| LDC Support(Fill/stretch mode)  | White Balance               | ATW / NarrowATW / AWC / Manual / Indoor / Outdoor |
|   | LDC                         | Support(Fill/stretch mode)                        |

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## XNO-C7083R



| Electronic Shutter Speed | Minimum / Maximum / Anti flicker(2~1/12,000sec)<br>prefer shutter control(Based on Al engine)   |
|--------------------------|---|
| Video Rotation           | Flip, Mirror, Hallway view(90°/270°)  |
| Analytics                | Classified object type: Person/Face/Vehicle(Type: car/bus/truck/motorcycle/bicycle)/License plate<br>Attributes: Vehicle(Type: car/bus/truck/motorcycle/bicycle)<br>Support DetectionShot<br>Analytics events based on AI engine<br>- Object detection, Virtual line(Crossing/Direction), Virtual area(Loitering/Intrusion/Enter/Exit), Motion<br>detection<br>Analytics events<br>- Defocus detection, Tampering, Fog detection, Audio detection, Sound classification, Shock<br>detection, Virtual area(Appear/Disappear) |
| Business Intelligence    | Based on Al engine: People/Vehicle counting, Queue management, Heatmap  |
| Alarm I/O                | 2 configurable I/O ports  |
| Alarm Triggers           | Analytics, Network disconnect, Alarm input, App event, Time schedule, MQTT subscription   |
| Alarm Events             | When alarm trigger occurred<br>- File upload(image): e-mail/FTP/SFTP<br>- File upload(video clip): FTP/SFTP<br>- Notification: e-mail<br>- Recording: SD/SDHC/SDXC or NAS recording at event triggers<br>- Alarm output<br>- Handover: PTZ preset, send message by HTTP/HTTPS/TCP<br>- Audio clip playback<br>- MQTT: publication   |
| Audio In                 | Selectable(mic in/line in)  |
| Audio Out                | Line out  |
| IR Viewable Length       | WiseIR 40m(131.23ft)  |

| Network                           |  |
|-----------------------------------|--|
| Ethernet                          | Metal shielded RJ-45(10/100BASE-T)   |
| Video Compression                 | H.265/H.264: Main/Baseline/High, MJPEG   |
| Audio Compression                 | G.711 u-law /G.726 Selectable<br>G.726(ADPCM) 8KHz, G.711 8KHz<br>G.726: 16Kbps, 24Kbps, 32Kbps, 40Kbps<br>AAC-LC: 48Kbps at 16KHz   |
| Smart Codec                       | Manual(5ea area), WiseStreamIII(Based on Al engine)  |
| Bitrate Control                   | H.264/H.265: CBR or VBR<br>MJPEG: VBR  |
| Streaming                         | Unicast(20 users) / Multicast<br>Multiple streaming(Up to 10 profiles, 3 virtual channel support)  |
| Protocol                          | IPv4, IPv6, TCP/IP, UDP/IP, RTP(UDP), RTP(TCP), RTCP, RTSP, NTP, HTTP, HTTPS, SSL/TLS, DHCP,<br>FTP/SFTP, SMTP, ICMP, IGMP, SNMPv1/v2c/v3(MIB-2), ARP, DNS, DDNS, QoS, UPnP, Bonjour, LLDP,<br>CDP, SRTP(TCP, UDP Unicast), MQTT |
| Application Programming Interface | ONVIF Profile S/G/T/M<br>SUNAPI(HTTP API)<br>Wisenet open platform   |

| Security               |   |
|------------------------|---|
| OS / Firmware Protect  | Encrypted Firmware, Secure boot, Signed Firmware                        |
| User authentication    | Digest Authenticaton, Prevent brute-force attacks                       |
| Network authentication | IEEE 802.1X(EAP-TLS, EAP-LEAP, EAP-PEAP, MSCHAPv2)                      |
| Secure Communication   | HTTPS, WSS(WebSocket Secure), SRTP                                      |
| Access Control         | IP-based access control   |
| Data Protect           | Encryption Credentials, Encrypt compress for live recording file export |
| Audit                  | Access / System / Event Log management                                  |
| Device ID              | Device certificate(Hanwha Vision Root CA)                               |
| Secure Storage         | HTPM(Hanwha trusted platform module), SDcard partition encrypt          |
| Security Certificate   | CyberSecurity assuarance program UL CAP(UL 2900-2-3 L2)                 |

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## XNO-C7083R



| General                           |   |
|-----------------------------------|---|
| Webpage Language                  | English, Korean, Chinese, French, Italian, Spanish, German, Japanese, Russian, Portuguese, Czech,<br>Polish, Turkish, Dutch, Hungarian, Greek           |
| Edge Storage                      | Micro SD/SDHC/SDXC 1slot Max. 512GB   |
| Memory                            | 2GB RAM, 512MB Flash  |
|                                   |   |
| Environmental & Electrical        |   |
| Operating Temperature / Humidity  | -40°C~+55°C(-40°F~+131°F)<br>* Start up should be done at above -20°C<br>0~100%RH(condensing)<br>Humidity control with AIR vent                         |
| Storage Temperature / Humidity    | -50°C~+60°C(-58°F~+140°F) / 0~90% RH  |
| Certification                     | IP66/IP67, NEMA4X, IK10   |
| Input Voltage                     | PoE(IEEE802.3af, Class3), 12VDC   |
| Power Consumption                 | PoE: Max 12.95W, typical 10.8W<br>12VDC: Max 12.5W, typical 10.0W   |
| Mechanical                        |   |
| Color / Material                  | White / Aluminum<br>Window: Hard-coated window  |
| RAL Code                          | RAL9003   |
| Product Dimensions / Weight       | ø93.4x276.6mm(ø3.68x10.89"), 1640g(3.62 lb)   |
| Compatible Conduit hole / Gangbox | single, double, 4" octagon, 4" square   |
| Hanging Mount (Dome)              | SBP-160HMW1   |
| Backbox                           | Included  |
| Ceiling Mount (Assy)              | SBP-150CMI/300CMI, SBP-300CMW1/900CMW, SBP-300CMTW, SBP-300CMTS   |
| Wall Mount                        | SBP-300WMW/WMW1, SBP-390WMW2, SBP-160WMW1   |
| Pole Mount                        | SBD-180PMW, SBP-300PMW2   |
| Parapet Mount                     | SBP-300LMW, SBP-156LMW1   |
| Corner Mount                      | SBP-300KMW1   |
| Cabinet                           | SBP-300NBW  |
| Conduit Adaptor                   | SBP-060BA   |
| Certifications & Standards        |   |
| EMC                               | FCC 47 CFR 15 Subpart B Class A<br>ICES-3(A)/NMB-3(A)<br>CE/UKCA<br>- EN 55032 Class A, EN 50130-4, EN 61000-3-2, EN 61000-3-3<br>VCCI CISPR 32 Class A |
|                                   | RCM AS/NZS CISPR 32 Class A<br>KS C 9832 Class A , KS C 9835  |
| Safety                            | UL 62368-1, CAN/CSA C22.2 NO. 62368-1<br>IEC/EN 62471   |
| Environment                       | IEC/EN 63000<br>IEC/EN 60529 IP66/IP67, IEC/EN 62262 IK10<br>NEMA 250 type 4X   |
| DORI (EN62676-4 standard)         |   |
| Detect (25PPM/ 8PPF)              | Wide: 36.3m(119.09ft) / Tele: 193.5m(634.74ft)  |
| Observe (63PPM/ 19PPF)            | Wide: 14.5m(47.64ft) / Tele: 77.4m(253.90ft)  |
| Recognize (125PPM/ 38PPF)         | Wide: 7.3m(23.82ft) / Tele: 38.7m(126.95ft)   |
| Identify (250PPM/ 76PPF)          | Wide: 3.6m(11.91ft) / Tele: 19.3m(63.47ft)  |

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.

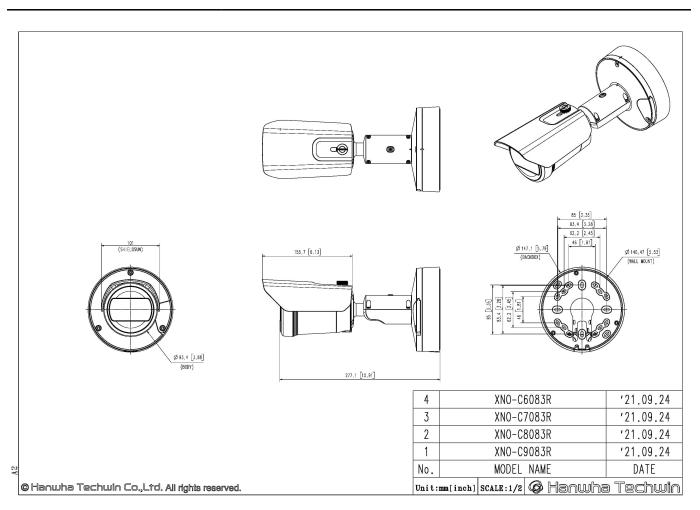






CAD

Unit:mm [inch]



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