## WISENET HD+ series HCO-7010RA









# **HCO-7010RA**

QHD (4MP) Analog IR Bullet Camera









#### **Key Features**

- QHD (2560 x 1440, 30fps) resolution
- 0.26 Lux@F1.8 (Color),0 Lux (B/W: IR LED on)
- Built-in 2.8mm fixed lens
- Day & Night (ICR), DWDR, Motion detection
- IR Viewable Length 20m
- Transmission distance max.500m
- Easy installation (Plug & play), IP66, IK10

#### **Compatible Accessories (Optional)**





SBO-100B1

SBP-302PM

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QHD (4MP) Analog IR Bullet Camera



### **Specifications**

Max. Frameste	Video	
Max. Framerate         S0fps@MM(N). 25fps@dM(P)           Min. Illumination         Color O 24stLaff E. 8. 1/30sec)           Wideo Out         BNC(AHD). additional CVBs for installation(29in connector type)           Video Transmission Distance         S00m(5C2V Coaxia) Cable)           Lens         Focal Length (Zoon Ratio)         2.8mm fixed           Max. Aperture Ratio         F1.8         Amagilar Fixed of View           Min. Object Distance         0.5m(1.64ft)           Operational         Auto(ICR)           Basclight Compensation         User BLC, HLC, DWDR           Digital Noise Reduction         2DDNR           Motion Detection         4 7 nores           Privacy Masking         2 zones           Gain Control         Low / Middle / High / Very High           White Belance         ATW / AMW / / Manual / Indoor / Outdoor           Blectronic Shutter Speed         1/30 - 1/12.000sec(IN) 1/25 - 1/12.000sec(IP)           Video Rotation         H-RevV-Rev           Analytic         Motion detection           Reviewable Length         20m(6.542k)           Coaxial Protocol         ACPAHD coax Protocol), CVBS: Pelco-CiCoaxitron)           Environmental & Electrical         Operating emperature / Humidity         -30°C - +55°C (-22°F - +131°F) / Less than 90% RH           <	Imaging Device	1/3" 4MP CMOS
Min. Illumination         Color-0.24.Lux(F1.8.1/30xec) 8M*C-Dux(IRL ED on)           Video Out         BMC-MDx(IRL ED on)           Video Transmission Distance         500m/5C2V Coxisial Cable)           Lens         Focal Length (Zoom Ratio)         2.8mm fixed           Max. Aperture Ratio         F1.8           Angular Field of View         H: 107.48°, v: 59.67°, 0: 122.01°           Min. Object Distance         0.5m/1.64R)           Operational         Day & Night         AutoliCR)           Bascklight Compensation         UserBLC, HLC, DWDR           Digital Noise Reduction         20DNR           Motion Detection         4 zones           Privacy Masking         2 zones           Gain Control         Low / Middle / High / Very High           White Balance         ATW / AWC / Manual / Indoor / Outdoor           Biccronic Shutter Speed         1/30 ~ 1/12000sec(N), 1/25 ~ 1/12000sec(P)           Video Rotation         Here,Vere           Analytics         Motion detection           IR Viewable Length         20m/65.02R)           Coadial Protocol         ACP(AHD Coax Protocol), CVBS: Pelco-C(Coaxitron)           Environmental & Electrical         Operating Temperature / Humbility           Operating Temperature / Humbility         -30°C ~ 455°C (-2	Resolution	2560x1440
Moto Out	Max. Framerate	30fps@4M(N), 25fps@4M(P)
Video Transmission Distance         500m/(5C2V Coaxial Cable)           Lens           Focal Length (Zoom Ratio)         2.8mm fixed           Max. Aperture Ratio         F.1.8           Angular Field of View         H: 107.48°, V: 59.67°, D: 122.01°           Min. Object Distance         0.5m(1.64ft)           Operational         Day & Night           Backlight Compensation         UserBLC. HLC, DWDR           Uightal Noise Reduction         200NR           Motion Detection         4 across           Privacy Masking         2 zones           Gain Control         Low / Middle / High / Yery High           White Balance         A 7MV / AWC / Manual / Indoor / Outdoor           Electronic Shutter Speed         1/30 ~ 1/32.000sec(N), 1/25~ 1/32.00sec(P)           Video Rotation         H: RevV-Rev           Analytics         Motion detection           IR Viewable Length         20m(65.62ft)           Coadal Protocol         ACP(AHD Coax Protocol), CVBS: Pelco-C(Coasitron)           Environmental & Electrical           Operating Temperature / Humidity         *30°C ~ +5°C (-22F ~ + 131°F / Less than 90% RH           Sistar up should be done at above -10°C           Certification         IP64. IK10           Input Voltage         12V	Min. Illumination	
Lens	Video Out	BNC (AHD), additional CVBS for installation (2Pin connector type)
Focal Length (Zoom Ratio)         2.8mm fixed           Max. Aperture Ratio         F1.8           Angular Field of View         H: 107.48°, V: 59.67°, D: 122.01°           Min. Object Distance         0.5m(1.64ft)           Operational           Day & Night         Auto(ICR)           Backlight Compensation         User BLC, HLC, DWDR           Digital Noise Reduction         2DDNR           Motion Detection         4 zones           Privacy Masking         2 zones           Gain Control         Low / Middle / High / Very High           White Balance         ATW / AWC / Manual / Indoor / Outdoor           Bectronic Shutter Speed         1/30 − 1/12.000sec(N), 1/25− 1/12.000sec(P)           Video Rotation         H-Rev/V-Rev           Analytics         Motion detection           Coasial Protocol         ACP(AHD Coax Protocol), CVBS: Pelco-C(Coasitron)           Environmental & Electrical         Operating Temperature / Humidity         -30°C ~ +55°C (-22°F ~ +131°F) / Less than 90% RH           Start up should be done at above -10°C         Certification         IP64, IK10           Input Voltage         12VDC           Power Consumption         Max 5W	Video Transmission Distance	500m(5C2V Coaxial Cable)
Max. Aperture Ratio         F1.8           Angular Field of View         H: 107.48°, V: 59.67°, D: 122.01°           Min. Object Distance         0.5m(1.64R)           Operational           Day & Night         Auto(ICR)           Backlight Compensation         User(BLC, HLC, DWDR)           Digital Noise Reduction         2DDNR           Motion Detection         4 zones           Privacy Masking         2 zones           Gain Control         Low / Middle / High / Very High           White Balance         ATW / AWC / Manual / Indoor / Outdoor           Electronic Shutter Speed         1/30 - 1/12.000sec(N), 1/25- 1/12.000sec(P)           Video Rotation         H-Rev/V-Rev           Analytics         Motion detection           Riviewable Length         20m(65.62R)           Coaxial Protocol         ACP(AHD Coax Protocol), CVBS: Pelco-C(Coaxitron)           Environmental & Electrical         Operating Temperature / Humidity         -30°C - +55°C (-22°F - +131°F) / Less than 90% RH           Start up should be done at above - 10°C         Certification         IP66. IK10           Input Voltage         12VDC           Power Consumption         Max SW           Mechanical           Color/ Material         Dark Gray / Aluminum	Lens	
Angular Field of View         H: 107.48°, V: 59.67°, D: 122.01°           Min. Object Distance         0.5m(1.64ft)           Operational           Day & Night         Auto(ICR)           Backlight Compensation         UserBLC, HLC, DWDR           Digital Noise Reduction         2DDNR           Motion Detection         4 zones           Privacy Masking         2 zones           Gain Control         Low / Middle / High / Very High           White Balance         ATW / AWC / Manual / Indoor / Outdoor           Electronic Shutter Speed         1/30 - 1/12 000 sec(N), 1/25 - 1/12 000 sec(P)           Wideo Rotation         H-Rev/N-Rev           Analytics         Motion detection           If Viewable Length         20m(65.62ft)           Coaxial Protocol         ACP(AHD Caax Protocol), CVBS: Pelco-C(Coaxitron)           Environmental & Electrical           Operating Temperature / Humidity         -30°C - +55°C (-22°F - +131°F) / Less than 90% RH	Focal Length (Zoom Ratio)	2.8mm fixed
Min. Object Distance         0.5m(1.64ft)           Operational           Day & Night         Auto(ICR)           Backlight Compensation         UserBLC, HLC, DWDR           Digital Noise Reduction         2DDNR           Motion Detection         4 zones           Privacy Masking         2 zones           Gain Control         Low / Middle / High / Very High           White Balance         ATW / AWC / Manual / Indoor / Outdoor           Electronic Shutter Speed         1/30 ~ 1/12,000sec(N), 1/25 ~ 1/12,000sec(P)           Video Rotation         H - Rev/V-Rev           Analytics         Motion detection           IR Viewable Length         20m(65.62ft)           Coaxial Protocol         ACP(AHD Coax Protocol), CVBS: Pelco-C(Coaxitron)           Environmental & Electrical         Operating Temperature / Humidity         -30°C ~ +55°C (-22°F ~ +131°F) / Less than 90% RH	Max. Aperture Ratio	F1.8
Operational  Day & Night Auto(ICR)  Backlight Compensation UserBLC, HLC, DWDR  Digital Noise Reduction 2DDNR  Motion Detection 4 zones  Privacy Masking 2 zones  Gain Control Low / Middle / High / Very High  White Balance ATW / AWC / Manual / Indoor / Outdoor  Electronic Shutter Speed 1/30 - 1/12.000sec(IN) . 1/25- 1/12.000sec(IP)  Video Rotation H-Rev/V-Rev  Analytics Motion detection  IR Viewable Length 20m(65.62ft)  Coaxial Protocol ACP(AHD Coax Protocol), CVBS: Pelco-C(Coaxitron)  Environmental & Electrical  Operating Temperature / Humidity -30°C ~ +55°C (-22°F ~ +131°F) / Less than 90% RH ~ Start up should be done at above -10°C  Certification IP6. IK 10  Input Voltage 12VDC  Power Consumption Max 5W  Mechanical  Color / Material Dark Gray / Aluminum	Angular Field of View	H: 107.48°, V: 59.67°, D: 122.01°
Day & Night Auto(ICR)  Backlight Compensation UserBLC, HLC, DWDR  Digital Noise Reduction 2DDNR  Motion Detection 4zones  Privacy Masking 2zones  Gain Control Low / Middle / High / Very High  White Balance ATW / AWC / Manual / Indoor / Outdoor  Electronic Shutter Speed 1/30 - 1/12,000sec(N), 1/25 - 1/12,000sec(P)  Video Rotation H-Rev/V-Rev  Analytics Motion detection  IR Viewable Length 20m(65.62ft)  Coaxial Protocol ACP (AHD Coax Protocol), CVBS: Pelco-C(Coaxitron)  Environmental & Electrical  Operating Temperature / Humidity -30°C - +55°C (-22°F - +131°F) / Less than 90% RH -Start up should be done at above -10°C  Certification IP66. IK10  Input Voltage 12VDC  Power Consumption Max 5W  Mechanical  Color / Material Dark Gray / Aluminum	Min. Object Distance	0.5m(1.64ft)
Backlight Compensation UserBLC, HLC, DWDR  Digital Noise Reduction Azones  Motion Detection 4 zones  Privacy Masking 2 zones  Gain Control Low / Middle / High / Very High  White Balance ATW / AWC / Manual / Indoor / Outdoor  Electronic Shutter Speed 1/30 ~ 1/12.000sec(N). 1/25- 1/12.000sec(P)  Video Rotation H-Rev/V-Rev  Analytics Motion detection  IR Viewable Length 20m(65.62ft)  Coaxial Protocol ACP(AHD Coax Protocol), CVBS: Pelco-C(Coaxitron)  Environmental & Electrical  Operating Temperature / Humidity -30°C ~ +55°C (-22°F ~ +131°F) / Less than 90% RH -35tart up should be done at above -10°C  Certification Ipot Voltage 12VDC  Power Consumption  Max 5W  Mechanical  Color / Material Dark Gray / Aluminum	Operational	
Digital Noise Reduction 2DDNR  Motion Detection 4zones  Privacy Masking 2zones  Gain Control Low / Middle / High / Very High  White Balance ATW / AWC / Manual / Indoor / Outdoor  Electronic Shutter Speed 1/30 ~ 1/12.000sec(N). 1/25~ 1/12.000sec(P)  Video Rotation H-Rev/V-Rev  Analytics Motion detection  IR Viewable Length 20m(65.62ft)  Coaxial Protocol ACP(AHD Coax Protocol). CVBS: Pelco-C(Coaxitron)  Environmental & Electrical  Operating Temperature / Humidity *30°C ~ +55°C (-22°F ~ +131°F) / Less than 90% RH *5tart up should be done at above ~ 10°C  Certification IP66. IK10  Input Voltage 12VDC  Power Consumption Max 5W  Mechanical  Color / Material Dark Gray / Aluminum	Day & Night	Auto(ICR)
Motion Detection 4 zones  Privacy Masking 2 zones  Gain Control Low / Middle / High / Very High  White Balance ATW / AWC / Manual / Indoor / Outdoor  Electronic Shutter Speed 1/30 ~ 1/12.000sec(N), 1/25~ 1/12.000sec(P)  Video Rotation H-Rev/V-Rev  Analytics Motion detection  IR Viewable Length 20m(65.62ft)  Coaxial Protocol ACP(AHD Coax Protocol), CVBS: Pelco-C(Coaxitron)  Environmental & Electrical  Operating Temperature / Humidity -30°C ~ +55°C (-22°F ~ +131°F) / Less than 90% RH * Start up should be done at above -10°C  Certification IP66, IK10  Input Voltage 12VDC  Power Consumption Max 5W  Mechanical  Color / Material Dark Gray / Aluminum	Backlight Compensation	UserBLC, HLC, DWDR
Privacy Masking  Gain Control  Low / Middle / High / Very High  White Balance  ATW / AWC / Manual / Indoor / Outdoor  Electronic Shutter Speed  1/30 ~ 1/12.000sec(N), 1/25~ 1/12.000sec(P)  Video Rotation  H-Rev/V-Rev  Analytics  Motion detection  IR Viewable Length  20m(65.62ft)  Coaxial Protocol  ACP(AHD Coax Protocol), CVBS: Pelco-C(Coaxitron)  Environmental & Electrical  Operating Temperature / Humidity  -30°C ~ +55°C (-22°F ~ +131°F) / Less than 90% RH * Start up should be done at above ~ 10°C  Certification  IP66. IK10  Input Voltage  12VDC  Power Consumption  Max 5W  Mechanical  Color / Material  Dark Gray / Aluminum	Digital Noise Reduction	2DDNR
Gain Control  Low / Middle / High / Very High  White Balance  ATW / AWC / Manual / Indoor / Outdoor  Electronic Shutter Speed  1/30 ~ 1/12,000sec(N), 1/25~ 1/12,000sec(P)  Video Rotation  H-Rev/V-Rev  Analytics  Motion detection  IR Viewable Length  20m(65.62ft)  Coaxial Protocol  ACP(AHD Coax Protocol), CVBS: Pelco-C(Coaxitron)  Environmental & Electrical  Operating Temperature / Humidity  -30°C ~ +55°C (-22°F ~ +131°F) / Less than 90% RH * Start up should be done at above ~ 10°C  Certification  IP66, IK10  Input Voltage  12VDC  Power Consumption  Max 5W  Mechanical  Color / Material  Dark Gray / Aluminum	Motion Detection	4 zones
White Balance ATW / AWC / Manual / Indoor / Outdoor  Electronic Shutter Speed 1/30 ~ 1/12,000sec(N), 1/25 ~ 1/12,000sec(P)  Video Rotation H-Rev/V-Rev  Analytics Motion detection  IR Viewable Length 20m(65.62ft)  Coaxial Protocol ACP(AHD Coax Protocol), CVBS: Pelco-C(Coaxitron)  Environmental & Electrical  Operating Temperature / Humidity -30°C ~ +55°C (-22°F ~ +131°F) / Less than 90% RH * Start up should be done at above ~10°C  Certification IP66, IK10  Input Voltage 12VDC  Power Consumption Max 5W  Mechanical  Color / Material Dark Gray / Aluminum	Privacy Masking	2 zones
Electronic Shutter Speed 1/30 ~ 1/12,000sec(N), 1/25~ 1/12,000sec(P)  Video Rotation H-Rev/V-Rev  Analytics Motion detection  IR Viewable Length 20m(65.62ft)  Coaxial Protocol ACP(AHD Coax Protocol), CVBS: Pelco-C(Coaxitron)  Environmental & Electrical  Operating Temperature / Humidity -30°C ~ +55°C (-22°F ~ +131°F) / Less than 90% RH * Start up should be done at above ~10°C  Certification IP66, IK10  Input Voltage 12VDC  Power Consumption Max 5W  Mechanical  Color / Material Dark Gray / Aluminum	Gain Control	Low / Middle / High / Very High
Video Rotation     H-Rev/V-Rev       Analytics     Motion detection       IR Viewable Length     20m(65.62ft)       Coaxial Protocol     ACP(AHD Coax Protocol), CVBS: Pelco-C(Coaxitron)       Environmental & Electrical       Operating Temperature / Humidity     -30°C ~ +55°C (-22°F ~ +131°F) / Less than 90% RH * Start up should be done at above -10°C       Certification     IP66, IK10       Input Voltage     12VDC       Power Consumption     Max 5W       Mechanical       Color / Material     Dark Gray / Aluminum	White Balance	ATW / AWC / Manual / Indoor / Outdoor
Analytics Motion detection  IR Viewable Length 20m(65.62ft)  Coaxial Protocol ACP(AHD Coax Protocol), CVBS: Pelco-C(Coaxitron)  Environmental & Electrical  Operating Temperature / Humidity -30°C ~+55°C (-22°F ~+131°F) / Less than 90% RH * Start up should be done at above ~10°C  Certification IP66, IK10  Input Voltage 12VDC  Power Consumption Max 5W  Mechanical  Color / Material Dark Gray / Aluminum	Electronic Shutter Speed	1/30 ~ 1/12,000sec(N), 1/25~ 1/12,000sec(P)
IR Viewable Length  Coaxial Protocol  ACP(AHD Coax Protocol), CVBS: Pelco-C(Coaxitron)  Environmental & Electrical  Operating Temperature / Humidity  -30°C ~ +55°C (-22°F ~ +131°F) / Less than 90% RH * Start up should be done at above -10°C  Certification  IP66, IK10  Input Voltage  12VDC  Power Consumption  Max 5W  Mechanical  Color / Material  Dark Gray / Aluminum	Video Rotation	H-Rev/V-Rev
Coaxial Protocol  ACP(AHD Coax Protocol), CVBS: Pelco-C(Coaxitron)  Environmental & Electrical  Operating Temperature / Humidity  -30°C ~ +55°C (-22°F ~ +131°F) / Less than 90% RH  * Start up should be done at above -10°C  Certification  IP66, IK10  Input Voltage  12VDC  Power Consumption  Max 5W  Mechanical  Color / Material  Dark Gray / Aluminum	Analytics	Motion detection
Environmental & Electrical  Operating Temperature / Humidity	IR Viewable Length	20m(65.62ft)
Operating Temperature / Humidity -30°C ~+55°C (-22°F ~+131°F) / Less than 90% RH * Start up should be done at above -10°C  Certification IP66, IK10 Input Voltage 12VDC  Power Consumption Max 5W  Mechanical  Color / Material Dark Gray / Aluminum	Coaxial Protocol	ACP(AHD Coax Protocol), CVBS: Pelco-C(Coaxitron)
* Start up should be done at above -10°C  Certification IP66, IK10  Input Voltage 12VDC  Power Consumption Max 5W  Mechanical  Color / Material Dark Gray / Aluminum	Environmental & Electrical	
Input Voltage 12VDC Power Consumption Max 5W  Mechanical  Color / Material Dark Gray / Aluminum	Operating Temperature / Humidity	
Power Consumption Max 5W  Mechanical  Color / Material Dark Gray / Aluminum	Certification	IP66, IK10
Mechanical  Color / Material Dark Gray / Aluminum	Input Voltage	12VDC
Color / Material Dark Gray / Aluminum	Power Consumption	Max 5W
	Mechanical	
Product Dimensions / Weight         Ø70.0 x 246.0mm(Ø2.76"x9.69"), 670g(1.48 lb)	Color / Material	Dark Gray / Aluminum
	Product Dimensions / Weight	Ø70.0 x 246.0mm(Ø2.76"x9.69"), 670g(1.48 lb)

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## **HCO-7010RA**

QHD (4MP) Analog IR Bullet Camera



CAD Unit: mm [inch]

