

# HNC7V621-E1

## 2MP Covert Pinhole Network Camera-Main Box



ENS covert camera used modular design, this product provides an independent main unit, with multiple lens types for customers to choose separately. It can be easily installed into any indoor environments, which makes this camera ideal for the ATMs(Automatic Teller Machines), banks, stores, hotels and offices.

### **Functions**

**System Overview** 

#### Intelligent Video System (IVS)

ENS camera has a built-in video analysis based on intelligent algorithms and can achieve the following:Tripwire,Intrusion,Abandoned/ Missing can timely, quickly and accurately respond to monitoring events in specific area. It enhances monitoring efficiency. At the same time, the camera can support face detection,it can quickly capture a face and upload the image to the server. In addition the camera also supports intelligent tamper detection,through dramatic changes in the scene it will send out warning information to ensure effective monitoring.

#### Protection

Supporting ±30% input voltage tolerance, this camera suits even the most unstable conditions for outdoor applications. Its 6KV lightning rating provides effective protection for both the camera and its structure against lightning.

# HEVC (H.265)

H.265 ITU-T VCEG is a new video coding standard. H.265 following standard developed around the existing video coding standard H.264, some retain the original technology, while some of the relevant technology to improve the new technology uses advanced technology to improve the relationship between the code stream, encoding quality, and the delay between algorithm complexity, optimize settings specific contents include: Improve compression efficiency, improve the robustness and error recovery capabilities, real-time to reduce the delay, reduce channel acquisition time and a random access delay, reduce complexity, etc.

- · H.265&H.264 triple-stream encoding
- · Support Smart H.265+/H.264+
- ·50/60fps@1080P(1920×1080)
- · Day/Night(Electronic), WDR, 3DNR, AWB, AGC, BLC
- · Smart detection
- · Micro SD memory, PoE
- · Multiple Lens type optional
- · Require a Lens Unit to work together









#### Smart H.265+

Deliver high quality video without straining the network, Smart H.265+ is the optimized implementation of H.265. The Smart H.265+ encoding technology includes a scene adaptive encoding strategy, dynamic GOP, dynamic ROI, flexible multi-frame reference structure and intelligent noise reduction, providing saving of up to 70% of bandwidth and storage when compared with standard H.265.

#### Wide Dynamic Range (WDR)

Embeded with industry leading wide dynamic range (WDR) technology, vivid picutures are achieved even in the most intense contrast lighting conditions. For applications with both bright and low lighting conditions that change quickly, True WDR (120dB) optimizes both the bright and dark areas of a scene at the same time to provide usable video.



Camera	Technical Specification		Network		
Protect    Protect	Camera		Ethernet	RJ-45 (10/100Base-T)	
Syn Ratio   Mone than One's   Bonguago 1 s.M.Microst (CP) (SMP (SMR Max User Access and Max User Access and Max User Access and Users/20 Users   Max User Access and Users/20	RAM/ROM	512MB/32MB	Protocol	DHCP;DNS;DDNS;PPPOE;IPv4/v6;QoS;UPnP;NTP;	
NS	S/N Ratio	More than 50dB	1100001		
Max	Intelligence		Interoperability	ONVIF, PSIA, CGI	
Video (working together with lens unit)   Edge Storage   NAS   Local Pic For Instant recording   Memors Scand 12868	IVS	Tripwire, Intrusion, Object Abandoned/Missing	Streaming Method	Unicast / Multicast	
Edge Storage   Local PCs triansat recording   Local PCs tria	Advanced Intelligent Functions	Face Detection	Max. User Access	10 Users/20 Users	
Streaming Capability   3 Streams	Video (working together with lens unit)		Edge Storage		
Streaming Capability   3 streams   1080Pt1920x1080y/ 13Mt1280x960y/ 12OPt1280x720y D1704x576/704x480)/ 12OPt1280x720y D	Compression	H.265+/H.265/H.264+/H.264			
Resolution	Streaming Capability	3 Streams		IE, Chrome, Firefox, Safari	
Main Stream: 1080P(1"=50/06/po)   Certifications   Cert	- 10	720P(1280x720)/ D1(704×576/704x480)/	Management Software	Smart PSS, DSS, Easy4ip	
Frame Rate   Sub Stream: D1 (1 ~ 25/30fps)   Certifications   CE (EN 60950:2000)   ULIU (10050-1)	Resolution		Smart Phone	IOS, Android	
Frame Rate		Main Stream: 1080P(1~50/60fps)	Certifications	Certifications	
Bit Rate Control  CBR/VBR  Video Interface  Video Interface  Video Interface  Video Interface  Video Interface  N/A  Audio Interface  N/A  N/A  N/A  Audio Interface  N/A  N/A  N/A  N/A  N/A  N/A  N/A  N/	Frame Rate	Sub Stream: D1 (1 ~ 25/30fps)	Certifications	UL:UL60950-1	
Na   Na   Na   Na   Na   Na   Na   Na		Third Stream: 1080P(1~25/30fps)	Interface		
Bit Rate  H.265: 14Kbps~ 5632kbps  Audio Interface  1/1 channel In/Out  RS232  1 port  2 channel In: 5mA 5VDC 2 channel Out: 1A 30VDC / 0.5A 50VAC  White Balance  Auto/Natural/Street Lamp/Outdoor/Manual  Electrical  Gain Control  Auto/Manual  Power Supply  DC12V, PoE(802.3af)(class 0)  Noise Reduction  3D DNR  Power Consumption  6W (working together with lens unit)  Motion Detetion  Off / On (4 Zones, Rectangle)  Environmental  Region of Interest  Off / On (4 Zones)  Operating Conditions  -30° C ~ +60° C (-22° F ~ +140° F) / Less than 95% RH Electronic Image Stabilization (EIS)  N/A  Strorage Conditions  -30° C ~ +60° C (-22° F ~ +140° F) / Less than 95% RH Ingress Protection  N/A  Vandal Resistance  N/A  Construction  Privacy Masking  Off / On (4 Areas, Rectangle)  Dimensions  110.0mmx82.7mmx24.0mm (4.33° x3.26° x0.95°)  Privacy Masking  Off / On (4 Areas, Rectangle)  Net Weight  O.21Kg (0.46lb)	Bit Rate Control	CBR/VBR	Video Interface	N/A	
BLC Mode  BLC / HLC / WDR(120dB)  Alarm  2 channel in: 5mA SVDC 2 channel Out: 1A 30VDC / 0.5A 50VAC  White Balance  Auto/Natural/Street Lamp/Outdoor/Manual  Electrical  Flectrical  Power Supply  DC12V, PoE(802.3af)(class 0)  Noise Reduction  3D DNR  Power Consumption  off / On (4 Zones, Rectangle)  Environmental  Region of Interest  Off / On (4 Zones)  Operating Conditions  -30° C ~ +60° C (-22° F ~ +140° F) / Less than 95% RH Electronic Image Stabilization (EIS)  Smart IR  N/A  Defog  N/A  Digital Zoom  16x  Flip  O'/90°/180°/270°  Casing  Metal  Mirror  Off / On  Privacy Masking  Off / On (4 Areas, Rectangle)  Net Weight  O.21Kg (0.46lb)  Compression	Bit Rate	·	Audio Interface	1/1 channel In/Out	
White Balance Auto/Natural/Street Lamp/Outdoor/Manual Electrical  Gain Control Auto/Manual Power Supply DC12V, PoE(802.3af)(class 0)  Noise Reduction 3D DNR Power Consumption  Filip Or/907/1807/270° Alarm  2 channel Out: 1A 30VDC / 0.5A 50VAC  Electrical  Electrical  Power Supply DC12V, PoE(802.3af)(class 0)  **GW (working together with lens unit)  Environmental  Environmental  Strorage Conditions -30° C ~ +60° C (-22° F ~ +140° F) / Less than 95% RH  Ingress Protection N/A  Vandal Resistance N/A  Construction  Filip Or/907/1807/270° Casing Metal  Mirror Off / On  Privacy Masking Off / On (4 Areas, Rectangle)  Net Weight  O.21Kg (0.46lb)  Compression  G.711a/ G.711Mu/ AAC/ G.726	Day/Night	Electronic	RS232	1 port	
Gain Control Auto/Manual Power Supply DC12V, PoE(802.3af)(Class 0) Noise Reduction 3D DNR Power Consumption  6W (working together with lens unit)  Environmental  Environmental  Coperating Conditions Fire City City F ~ +140° F) / Less than 95% RH  Electronic Image Stabilization (EIS) Smart IR N/A  Defog N/A  Defog N/A  Digital Zoom  16x  Flip O'/90°/180°/270° Casing Metal  Mirror Off / On  Privacy Masking Off / On (4 Areas, Rectangle)  Audio  Compression  Auto/Manual  Power Supply DC12V, PoE(802.3af)(Class 0)  6W (working together with lens unit)  Flory off / On (4 Zones, Rectangle)  Environmental  Environmental  Strorage Conditions -30° C ~ +60° C (-22° F ~ +140° F) / Less than 95% RH  N/A  Strorage Conditions -30° C ~ +60° C (-22° F ~ +140° F) / Less than 95% RH  N/A  Vandal Resistance N/A  Construction  Dimensions  110.0mm×82.7mm×24.0mm (4.33″×3.26″×0.95″)  Net Weight  O.21Kg (0.46lb)	BLC Mode	BLC / HLC / WDR(120dB)	Alarm		
Noise Reduction  30 DNR  Power Consumption  46W (working together with lens unit)  Environmental  Coperating Conditions  30 ° C~ +60° C (-22° F~ +140° F) / Less than 95% RH  Electronic Image Stabilization (EIS)  N/A  Strorage Conditions  -30° C~ +60° C (-22° F~ +140° F) / Less than 95% RH  Ingress Protection  N/A  Defog  N/A  Defog  N/A  Digital Zoom  16x  Flip  0'90°/180°/270°  Casing  Metal  Mirror  Off / On  Privacy Masking  Off / On (4 Areas, Rectangle)  Audio  Compression  G.711a/ G.711Mu/ AAC/ G.726	White Balance	Auto/Natural/Street Lamp/Outdoor/Manual	Electrical		
Motion Detetion  Off / On (4 Zones, Rectangle)  Region of Interest  Off / On (4 Zones)  Operating Conditions  -30° C ~ +60° C (-22° F ~ +140° F) / Less than 95% RH  Electronic Image Stabilization (EIS)  N/A  Strorage Conditions  -30° C ~ +60° C (-22° F ~ +140° F) / Less than 95% RH  Ingress Protection  N/A  Defog  N/A  Vandal Resistance  N/A  Construction  Flip  O"/90"/180"/270"  Casing  Metal  Mirror  Off / On  Privacy Masking  Off / On (4 Areas, Rectangle)  Audio  Compression  G.711a/ G.711Mu/ AAC/ G.726	Gain Control	Auto/Manual	Power Supply	DC12V, PoE(802.3af)(Class 0)	
Region of Interest Off / On (4 Zones) Operating Conditions -30° C~ +60° C (-22° F~ +140° F) / Less than 95% RH Electronic Image Stabilization (EIS)  N/A  Strorage Conditions -30° C~ +60° C (-22° F~ +140° F) / Less than 95% RH  Ingress Protection N/A  Vandal Resistance N/A  Vandal Resistance N/A  Construction  Flip O'/90°/180°/270° Casing Metal  Mirror Off / On  Privacy Masking Off / On (4 Areas, Rectangle)  Audio  Compression  G.711a/ G.711Mu/ AAC/ G.726	Noise Reduction	3D DNR	Power Consumption	<6W (working together with lens unit)	
Electronic Image Stabilization (EIS)  N/A  Strorage Conditions  -30° C ~ +60° C (-22° F ~ +140° F) / Less than 95% RH  Ingress Protection  N/A  Defog  N/A  Digital Zoom  16x  Flip  0°/90°/180°/270°  Casing  Metal  Mirror  Off / On  Privacy Masking  Off / On (4 Areas, Rectangle)  Audio  Compression  Strorage Conditions  -30° C ~ +60° C (-22° F ~ +140° F) / Less than 95% RH  N/A  Vandal Resistance  N/A  Construction  Casing  Metal  110.0mm×82.7mm×24.0mm (4.33"×3.26"×0.95")  Net Weight  0.21Kg (0.46lb)	Motion Detetion	Off / On (4 Zones, Rectangle)	Environmental		
Smart IR  N/A  Defog  N/A  Defog  N/A  Digital Zoom  Flip  O°/90°/180°/270°  Casing  Metal  Mirror  Off / On  Privacy Masking  Off / On (4 Areas, Rectangle)  Audio  Compression  N/A  Vandal Resistance  N/A  Construction  Casing  Metal  Dimensions  110.0mm×82.7mm×24.0mm (4.33"×3.26"×0.95")  Net Weight  O.21Kg (0.46lb)	Region of Interest	Off / On (4 Zones)	Operating Conditions	-30° C $^{\sim}$ +60° C (-22° F $^{\sim}$ +140° F) / Less than 95% RH	
Defog N/A  Defog N/A  Digital Zoom 16x  Flip 0°/90°/180°/270°  Casing Metal  Mirror Off / On  Privacy Masking Off / On (4 Areas, Rectangle)  Audio  Compression 6.711a/ G.711Mu/ AAC/ G.726		N/A	Strorage Conditions	-30° C $^{\sim}$ +60° C (-22° F $^{\sim}$ +140° F) / Less than 95% RH	
Defog N/A  Digital Zoom 16x  Flip 0°/90°/180°/270° Casing Metal  Mirror Off / On  Privacy Masking Off / On (4 Areas, Rectangle)  Audio  Construction  Metal  Metal  Metal  Dimensions 110.0mm×82.7mm×24.0mm (4.33"×3.26"×0.95")  Net Weight 0.21Kg (0.46lb)	Smart IR	N/A	Ingress Protection	N/A	
Digital Zoom         16x           Flip         0°/90°/180°/270°         Casing         Metal           Mirror         Off / On         Dimensions         110.0mm×82.7mm×24.0mm (4.33"×3.26"×0.95")           Privacy Masking         Off / On (4 Areas, Rectangle)         Net Weight         0.21Kg (0.46lb)           Compression         G.711a/ G.711Mu/ AAC/ G.726         Net Weight         0.21Kg (0.46lb)	Defog	N/A	Vandal Resistance	N/A	
Mirror Off/On  Privacy Masking Off/On (4 Areas, Rectangle)  Audio  Compression G.711a/G.711Mu/AAC/G.726  Dimensions  110.0mm×82.7mm×24.0mm (4.33"×3.26"×0.95")  Net Weight  0.21Kg (0.46lb)	Digital Zoom	16x	Construction		
Privacy Masking Off / On (4 Areas, Rectangle)  Audio  Net Weight 0.21Kg (0.46lb)  Compression G.711a/ G.711Mu/ AAC/ G.726	Flip	0°/90°/180°/270°	Casing	Metal	
Privacy Masking Off / On (4 Areas, Rectangle)  Audio  Net Weight 0.21Kg (0.46lb)  Compression G.711a/ G.711Mu/ AAC/ G.726	Mirror	Off / On			
Compression G.711a/ G.711Mu/ AAC/ G.726	Privacy Masking	Off / On (4 Areas, Rectangle)	Dimensions	110.0mm×82.7mm×24.0mm (4.33"×3.26"×0.95")	
	Audio		Net Weight	0.21Kg (0.46lb)	
	Compression	G.711a/ G.711Mu/ AAC/ G.726	Gross Weight	0.30Kg (0.66lb)	

Ordering Information			
Туре	Part Number	Description	
2MP Camera Main Box	HNC7V621-E1	2MP Covert Pinhole Network Camera Main Box,PAL	
	HNC7V621-E1	2MP Covert Pinhole Network Camera Main Box,NTSC	
	HNC7V621-E1	2MP Covert Pinhole Network Camera Main Box, PAL	
	HNC7V621-E1	2MP Covert Pinhole Network Camera Main Box, NTSC	
Accessories (Required)	IPC-HUM8231-L1	2MP Cylindrical Pinhole Lens with 8 meters Cable	
	IPC-HUM8231-L3	2MP Cylindrical Pinhole Lens with 8 meters Cable	
	IPC-HUM8231-L4	2MP Rectangular Pinhole Lens with 8 meters Cable	
	IPC-HUM8231-L5	2MP Rectangular Pinhole Lens with 8 meters Cable	

