

# HNCA2C-FEA - Hunt Electronic

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[huntcctv.com/product/hnca2c-fea](http://huntcctv.com/product/hnca2c-fea)



## Specifications

Model Number            HNCA2C-FEA

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### Camera

Image Sensor            1/1.8" Progressive Scan CMOS

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Max. Resolution        3504 × 3504

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Min. Illumination        Color: 0.03 Lux @ (F2.2, AGC ON), B/W: 0.006 Lux @ (F2.2, AGC ON), B/W: 0 Lux with IR

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Shutter Speed            1 s to 1/100,000 s

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## Specifications

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Day & Night	IR cut filter
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### Lens

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Lens Type	Fixed focal lens, 1.29 mm
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Focal Length & FOV	1.29 mm, horizontal FOV 180°, vertical FOV 180°
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Iris Type	Fixed
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Aperture	F2.2
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Depth of Field	0.2 m to $\infty$
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### DORI

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DORI	D: 27.9 m O: 11.1 m R: 5.6 m I: 2.8 m
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### Illuminator

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Supplement Light Type	IR
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Supplement Light Range	Up to 15 m
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Supplement Light Number	3
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Smart Supplement Light	Yes
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IR Wavelength	850 nm
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### HEOP

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Open Resources	Memory: 60 MB, Smart RAM: 800 MB, eMMC: 2 GB
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Open Capability	HEOP 2.0 OpendevSDK
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Deep Learning Structure	Caffe, TensorFlow, PyTorch
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Programming Language	C, C++
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## Specifications

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### Video

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Main Stream	50 Hz: 25 fps/60 Hz: 30 fps: Fisheye View: 3504 × 3504, 3024 × 3024, 2560 × 2560, 2048 × 2048 180 Panorama View: 3072 × 2304, 2048 × 1536 180 Dual Channel Panorama View: 3072 × 1152 Panorama View: 3072 × 2304, 2048 × 1536 4PTZ View: camera 01/camera 02/camera 03/camera 04: 1600 × 1200 Fisheye + 3PTZ View: camera 01: 2560 × 2560, 2048 × 2048, 1280 × 1280 camera 02/camera 03/camera 04: 1600 × 1200 4PTZ Fusion View: 3200 × 2400, 2048 × 1536
Sub-Stream	50 Hz: 25 fps/60 Hz: 30 fps: Fisheye View: 720 × 720, 480 × 480 180 Panorama View: 640 × 480, 320 × 240 180 Dual Channel Panorama View: 640 × 480, 320 × 240 Panorama View: 640 × 360, 320 × 240 4PTZ View: camera 01/camera 02/camera 03/camera 04: 640 × 480, 320 × 240 Fisheye + 3PTZ View: camera 01: 720 × 720 camera 02/camera 03/camera 04: 640 × 480, 320 × 240
Video Compression	Main stream: H.265+/H.265/H.264+/ H.264, Sub-stream: H.265/H.264/MJPEG
Video Bit Rate	32 Kbps to 16 Mbps
H.264 Type	Baseline Profile, Main Profile, High Profile
H.265 Type	Main Profile
Bit Rate Control	CBR, VBR
Scalable Video Coding (SVC)	H.264 and H.265 encoding

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## Specifications

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Region of Interest (ROI) 4 fixed regions for each stream

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### Fisheye Display

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Mount Type Support wall/table/ceiling mounting

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Decoding Mode Support hardware decoding and software decoding

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Display Mode 20 display modes in total,  
Software decoding: fisheye view, 180 panorama view, 360 panorama view, 360 panorama + PTZ, 360 panorama + 3PTZ, 360 panorama + 6PTZ, 360 panorama + 8PTZ, 2PTZ, 4PTZ, fisheye + 3PTZ, fisheye + 8PTZ, hemisphere, AR hemisphere, cylinder,  
Hardware decoding: fisheye view, 180 panorama view, 180 dual channel panorama, panorama view, 4PTZ, fisheye + 3PTZ, 4PTZ fusion

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### Audio

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Audio Compression G.711/G.722.1/G.726/MP2L2/PCM/MP3/AAC-LC

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Audio Bit Rate 64 Kbps (G.711ulaw/G.711alaw)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 to 192 Kbps (MP2L2)/8 to 320 Kbps (MP3)/16 to 64 Kbps (AAC-LC)

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Audio Sampling Rate 8 kHz/16 kHz/32 kHz/48 kHz

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Environment Noise Filtering Yes

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### Network

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Protocols TCP/IP, ICMP, HTTP, HTTPS, FTP, SFTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv4, IPv6, UDP, Bonjour, SSL/TLS, ISUP, ARP, WebSocket, WebSockets, SIP

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Simultaneous Live View Up to 20 channels

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API Open Network Video Interface (Profile S, Profile G, Profile T), ISAPI, SDK, ISUP, Support for Session Initiation Protocol (SIP) for integration with Voice over IP (VoIP) systems, peer to peer or integrated with SIP/PBX

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## Specifications

User/Host	Up to 32 users 3 user levels: administrator, operator, and user
Security	Password protection, complicated password, HTTPS encryption, 802.1X authentication (EAP-TLS, EAP-LEAP, EAP-MD5), watermark, IP address filter, basic and digest authentication for HTTP/HTTPS, WSSE and digest authentication for Open Network Video Interface, RTP/RTSP over HTTPS, control timeout settings, security audit log, TLS 1.2, host authentication (MAC address)
Network Storage	NAS (NFS, SMB/CIFS), Auto Network Replenishment (ANR), Together with high-end Hikvision memory card, memory card encryption and health detection are supported
Web Browser	Plug-in required live view: IE 10, IE 11, Plug-in free live view: Chrome 57.0+, Firefox 52.0+, Edge 89+, Safari 11+, Local service: Chrome 57.0+, Firefox 52.0+, Edge 89+
<b>Image</b>	
Image Parameters Switch	Yes
Image Settings	saturation, brightness, contrast, sharpness, white balance, AGC, adjustable by client software or web browser
Day/Night Switch	Day, Night, Auto, Schedule, Alarm Trigger
Wide Dynamic Range (WDR)	Digital WDR
Image Enhancement	BLC, HLC, 3D DNR, Distortion Correction, Defog
Privacy Mask	8 programmable polygon privacy masks
Picture Overlay	LOGO picture can be overlaid on video with 128 × 128 24 bit bmp format.
<b>Interface</b>	
Ethernet Interface	1 RJ45 10 M/100 M/1000 M self-adaptive Ethernet port
On-Board Storage	Built-in memory card slot, support microSD/microSDHC/microSDXC card, up to 256 GB

## Specifications

Built-in Microphone	Yes, 4 built-in microphones
Built-in Speaker	Yes, 1 built-in speaker
Audio	1 input (line in), 3.5 mm connector, max. input amplitude: 3.3 Vpp, input impedance: 4.7 K $\Omega$ , interface type: non-equilibrium, 1 output (line out), 3.5 mm connector, max. output amplitude: 3.3 Vpp, output impedance: 100 $\Omega$ , interface type: non-equilibrium
Alarm	2 inputs, 2 outputs (max. 24 VDC, 1 A)
RS-485	1 RS-485 (Half duplex, Pelco-P, Pelco-D, self-adaptive)
<b>Event</b>	
Basic Event	Motion detection, video tampering alarm, alarm input and output, exception (network disconnected, IP address conflict, illegal login, HDD full, HDD error)
Smart Event	Line crossing detection, intrusion detection, region entrance detection, region exiting detection, scene change detection, audio exception detection, defocus detection, unattended baggage detection, object removal detection
Linkage	Upload to FTP/NAS/memory card, notify surveillance center, send email, trigger alarm output, trigger recording, trigger capture
<b>Deep Learning Function</b>	
People Counting	Counts people entering, exiting and passing by separately (The data is stored in the flash.) Supports real-time uploading and uploading by statistic cycle Sends email reports on daily, weekly, monthly or annually basis Supports up to 3 detection regions, and independent arming schedule and linkage method

## Specifications

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Queue Management	<p>Supports up to 8 detection regions, and independent arming schedule and linkage method</p> <p>Supports 2 detection modes: regional people queuing-up, waiting time detection</p> <p>Generates reports to compare the efficiency of different queuing-ups and display the changing status of one queue</p> <p>Supports raw data export for further analysis</p> <p>Supports real-time data uploading and scheduled data uploading</p> <p>Regional people queuing-up: supports 4 alarm trigger conditions, including greater than threshold, less than threshold, equal to threshold, not equal to threshold</p> <p>Waiting time detection: supports 1 alarm trigger condition, including greater than threshold</p>
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Heat Map	<p>A graphic description of visits (by calculating amount of people or amount of dwell time) in a configured area.,</p> <p>Two report types are available, space heat map and time heat map line chart.</p>
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Intersection Analysis	<p>Detects and analyze flow in an intersection-like scene, and generate reports</p> <p>Support one intersection of up to 10 ways</p>
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### General

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Power	12 VDC $\pm$ 20%, 1 A, max. 11.5 W, two-core terminal block, PoE: IEEE 802.3af, Class 3, max. 12.5 W
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Material	Metal
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Dimension	$\varnothing$ 140.3 mm $\times$ 59.4 mm ( $\varnothing$ 5.5" $\times$ 2.3")
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Package Dimension	260 mm $\times$ 230 mm $\times$ 135 mm (10.2" $\times$ 9.1" $\times$ 5.3")
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Weight	Approx. 715 g (1.58 lb.)
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With Package Weight	Approx. 1206 g (2.66 lb.)
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Startup and Operating Conditions	-40 °C to 60 °C (-40 °F to 140 °F). Humidity 95% or less (non-condensing)
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## Specifications

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Language 33 languages: English, Russian, Estonian, Bulgarian, Hungarian, Greek, German, Italian, Czech, Slovak, French, Polish, Dutch, Portuguese, Spanish, Romanian, Danish, Swedish, Norwegian, Finnish, Croatian, Slovenian, Serbian, Turkish, Korean, Traditional Chinese, Thai, Vietnamese, Japanese, Latvian, Lithuanian, Portuguese (Brazil), Ukrainian

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General Function Heartbeat, flash log, password reset via email, password protection, one-key reset, anti-banding

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Heater Yes

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Cable Length 0.31 m (1.02 ft.)

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## Approval

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EMC CE-EMC: EN 55032:2015+A1:2020, EN 50130-4:2011+A1:2014, EN IEC 61000-3-2:2019+A1:2021, EN 61000-3-3:2013+A1:2019+A2:2021, EN 50121-4: 2016+A1:2019, RCM: AS/NZS CISPR 32: 2015, IC: ICES-003: Issue 7, KC: KN32: 2015, KN35: 2015

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Safety UL: UL 62368-1, CB: IEC 62368-1: 2014+A11, CE-LVD: EN 62368-1: 2014/A11: 2017, BIS: IS 13252 (Part 1): 2010/IEC 60950-1: 2005

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Environment CE-RoHS: 2011/65/EU, WEEE: 2012/19/EU, Reach: Regulation (EC) No 1907/2006

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Protection IP67: IEC 60529-2013, IK10: IEC 62262:2002

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Electrical Box HTH-280ZJ-WA140

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Wall Mount HTH-273ZJ-140

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Pendant Mount HTH-271ZJ-140

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Mount Type C:HTH-276ZJ, P:HTH-275ZJ

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