

4MP THERMAL DOME CAMERA



ENC-HCD7F-35R-35

FEATURES

256x192 Uncooled VOx Micro Bolometer detector

Sensitivity ≤ 50 mK

3.5 mm Thermal Fixed Lens

Area / Spot / Line Temperature Measurement Rule Support

17 Color Control Support

PoE, IP67



SPECIFICATION

MODEL	Model No.	ENC-HCD7F-35R-35
	Type	4MP THERMAL DOME CAMERA
THERMAL CAMERA	Detector Type	Uncooled VOx Micro Bolometer
	Effective Pixels	256x192 and Image can be scaled up to 704x576
	Pixel Size	12 μ m
	Thermal Sensitivity	≤ 50 mK
	Spectral Range	8 ~ 14 μ m
	Image Settings	Brightness, Sharpness, Contrast, Saturation, Mirror
	Color Palattes	White-Hot / Black-Hot / Rainbow / Ironbow etc. up to 17 modes
	Iris	Fixed IRIS
THERMAL LENS	Lens Type	Fixed
	Focus	Fixed Focus
	Focal Length	3.5 mm
	F No.	F1.0
	Angle of View	48.0°(H), 36.0°(V)
	Detection	3.5 mm: Human(1.8mx0.5m) - 146 m, Vehicle(4.0mx1.5m) - 447m
	Recognition	3.5 mm: Human(1.8mx0.5m) - 36 m, Vehicle(4.0mx1.5m) - 112 m
	Identification	3.5 mm: Human(1.8mx0.5m) - 18 m, Vehicle(4.0mx1.5m) - 56 m
Fire Detection	3.5 mm: Fire(0.2mx0.2m) - 41.7 m	

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	Type	4MP THERMAL DOME CAMERA
VISIBLE LENS	Image Sensor	1/2.7" CMOS
	Day / Night	IR Cut Filter with Auto Switch
	Max. Resolution	2560x1440
	Focal Length	4 mm Lens
	Focus Control	Fixed Lens
	Angle of View(H)	92.0°
	Angle of View(V)	46.0°
	Angle of View(D)	102.8°
	Max. Aperture	F1.6
	Digital Zoom	16x
	Electronic Shutter	1s ~ 1/100,000s, Auto / Manual
	Min. Illumination	Color: 0.001 lux @ F1.2, B/W: 0.0003 lux, 0 lux with IR
	AGC	Auto / Manual
	Digital Noise Reduction	2D & 3D DNR, Auto / Manual
	S/N Ratio	≥55dB
	WDR	120 dB
	Strobe Light	Supported
	Smart IR	Up to 35 m
Wavelength	850 nm	
Detection	85.4 m	
Observation	34.2 m	
Recognition	17.1 m	
Identification	8.5 m	
VIDEO	Video Compression	Enhanced (H.265, H.264), H.265, H.264, MJPEG
	Frame Rate	Main Stream: Thermal: (704x576) @ 25fps; Visible: (2560x1440, 2304x1296, 1920x1080, 1280x720) @ 25fps Sub Stream: Thermal: (704x576, 352x288, 256x192) @ 25fps; Visible: (704x576, 640x480) @ 25fps
	Stream Settings	i-Frame, PAL/NTSC, Frame Rate
	Bitrate Type	CBR, VBR
	Video Bit Rate	Thermal: 100Kbps ~ 3Mbps Visible: 100Kbps ~ 12Mbps
	Image Settings	Brightness, Contrast, Saturation, Sharpness, Day/Night (Color, Mono, Auto), Flip/Mirror/Rotation, Multiple Scene & Profile
	White Balance	Auto, Day/Night, Tungsten, Fluorescent, Shadow, Manual
	DVE Image Enhance	Supported
	HLC	Supported
	BLC	Supported
	Defog	Supported
	OSD	Up to 6 regions
	OSD Type	Title, Week, Date, Time, Text with different colors and adaptable sizes (Small / Medium / Big), Image overlay
	ROI	Up to 8 regions
Privacy Mask	Up to 5 regions	
AUDIO	Audio Compression	G.711A , G.711U, RAW_PCM
	Audio Bitrate	64 kbps, 128 kbps
	Audio I/O	1/1
	Built-in Mic	Supported
	Built-in Speaker	Supported
SMART	Behaviour Detection	Thermal/Visible: Intrusion (Perimeter), Crossline (Tripwire), Double Crossline (Double Tripwire)
	Intelligent Identification	Thermal/Visible: Loitering, Region Entry / Exit Detection Thermal: Flame Point Detection, Smoker Detection Visible: Smoke Detection, Flame Detection
	Statistical Analysis	Thermal/Visible: People Counting, Wrong Way Detection, Human and Vehicle Detection, Temperature Detection
	Alarm Management	Motion Detection, Disk Full Alarm, Temperature Alarm, Input / Output Alarm, Network Alarm, Flashing Light and Sound warning
	Alarm Notification	E-mail (Notification and Snapshot), HTTP (Alarm Icon), FTP (Snapshot and Recording), SD Card (Recording)

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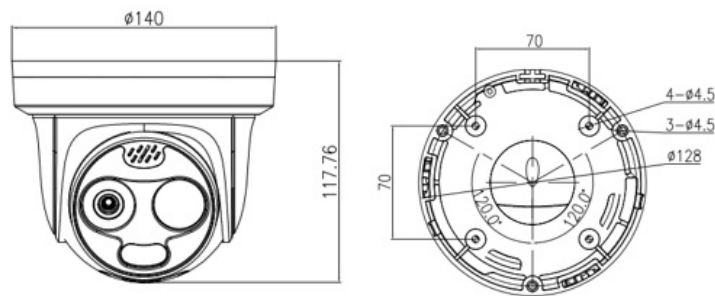
4MP THERMAL DOME CAMERA



ENC-HCD7F-35R-35

MODEL	Model No.	ENC-HCD7F-35R-35
	Type	4MP THERMAL DOME CAMERA
TEMPERATURE	Detection Mode	Area, Spot, Line (Total 20 Rules - 1 Full Screen and 19 others)
	Alarm	Over / Difference Temperature Alarm
	Accuracy	±2°C / ±2%
	Response Time	≤30ms
	Measurement Range	-20°C ~ 150°C (-4°F ~ 302°F)
INTERFACE	Protocols	TCP/IP, UDP, IPv4, IPv6, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP/RTCP, RTSP, PPPoE, NTP, UPnP, SMTP (SSL/TLS), IGMP, 802.1x, QoS, Unicast, SNMP, ARP
	Security	AES 128/256 Video Encryption, IP Filter, User Authentication (Multiple Privilege Level), HTTPS Authentication, Digest Authentication, User Access Log
	Compatibility	ONVIF Profile (S, G, T, M), CGI/SDK
	Network	1x RJ45 10M/100M Self Adaptive Ethernet Port
	Serial Interface	1xRS485
	Edge Storage	Micro SD card slot, up to 512 GB
	Alarm I/O	1/1
	Max User	32
	Client Application	EyeGuard
	Power Supply	12V DC/24V DC, PoE (IEEE 802.3af)
GENERAL	Max. Power consumption	≤10 W
	Working Temperature	-40 °C ~ 65 °C
	Working Humidity	≤95% RH
	Ingress Protection	IP67
	Vandal Resistant	IK10 (Housing)
	Surge Protection	TVS4000V
	Reset Button	Supported
	Dimensions	Φ140 × 117.7 mm
	Weight	1.03 Kg

Dimension Unit : mm



ORDERING INFORMATION

Part Number	Description	Standard Quantity
ENC-HCD7F-35R-35	4MP IP Dual Sensor Temperature Detection Thermal Compact Dome Camera with 256x192 Thermal Resolution , PoE and SD Card Slot Support	1
ENB-BCDP66	Pendent Mount for Norden Thermal Dome Camera	1
ENB-BCDW66	Wall Mount Bracket for Norden Thermal Dome Camera	1
ENB-BCDU66	Pole Mount Bracket for Norden Thermal Dome Camera	1
ENB-BCPH65	Corner Mount Bracket for Norden Thermal Dome Camera	1

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PACKING INFORMATION

Part Number	Packing Mode	Gross weight(Kg)	Dimension(mm)
ENC-HCD7F-35R-35	Carton Box	-	-