

IP DUAL SENSOR THERMAL PTZ CAMERA

ENC-HHP7Z-86X-39

FEATURES

640x512 Uncooled VOx Micro Bolometer Detector

Sensitivity $\leq 40\text{mK}$

30 ~ 150 mm Motorized Lens

Areas / Spot / Line Temperature Measurement Rule Support

17 Color Patterns Support

IP67



SPECIFICATION

| | | |
|----------------|--|--|
| MODEL | Model No. | ENC-HHP7Z-86X-39 |
| | Type | IP DUAL SENSOR THERMAL PTZ CAMERA |
| THERMAL CAMERA | Detector Type | Uncooled VOx Focal Plane Arrays |
| | Effective Pixels | 640x512 and Image can be scaled up to 1280x1024 |
| | Pixel Size | 12um |
| | Thermal Sensitivity (NETD) | $\leq 40\text{ mK}$ |
| | Spectral Range | 8~14um |
| | Image Settings | Brightness, Sharpness, Contrast, Mirror, 2D/3D DNR, Mirror / Flip, FFC |
| THERMAL LENS | Color Palettes | White & Black Hot, Ironbow, Rainbow etc. up to 17 modes |
| | Iris | Fixed IRIS |
| | Lens | Motorized |
| | Focus Control | Motorized Focus |
| | Focal Length | 30 ~ 150 mm |
| | F No | F1.2 |
| | Angle of View | 30 ~ 150 mm: 14.5° ~ 2.9°(H), 11.6° ~ 2.3°(V) |
| | Detection | 30 ~ 150 mm: Human (1.8mx0.5m) - 1248 ~ 6242 m, Vehicle (4.0mx1.5m) - 3833 ~ 19167 m |
| | Recognition | 30 ~ 150 mm: Human (1.8mx0.5m) - 312 ~ 1560 m, Vehicle (4.0mx1.5m) - 958 ~ 4792 m |
| | Identification | 30 ~ 150 mm: Human (1.8mx0.5m) - 1560 ~ 780 m, Vehicle (4.0mx1.5m) - 479 ~ 2396 m |
| Fire Detection | 30 ~ 150 mm: Fire (0.2mx0.2m) - 250 ~ 1250 m, Fire (1.0mx1.0m) - 1250 ~ 6250 m | |

IP DUAL SENSOR THERMAL PTZ CAMERA

ENC-HHP7Z-86X-39

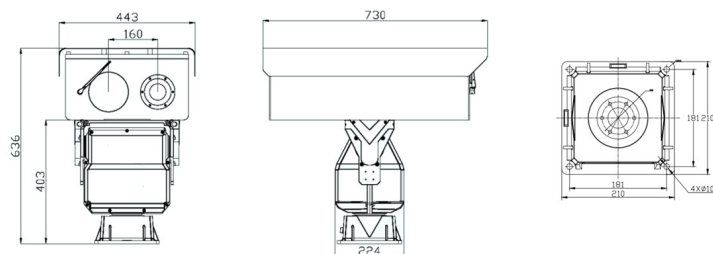
| MODEL | Model No. | ENC-HHP7Z-86X-39 |
|--------------------|--|--|
| | Type | IP DUAL SENSOR THERMAL PTZ CAMERA |
| VISIBLE CAMERA | Image Sensor | 1/1.8" CMOS |
| | Max Resolution | 2560 x 1440 |
| | Focal Length | 10 ~ 860 mm |
| | Focus Control | Auto/Semi-Auto/Manual |
| | Angle of View(H) | 38.4° ~ 0.48° |
| | Angle of View(V) | 22.5° ~ 0.28° |
| | Angle of View(D) | 44.5° ~ 0.55° |
| | Max Aperture | F2.1 ~ F11.2 |
| | Optical Zoom | 86x |
| | Digital Zoom | 16x |
| | Electronic Shutter | 1s ~ 1/100,000s, Auto/Manual |
| | Min. illumination | Color:0.01 lux @ F2.1, B/W:0.001 lux |
| | AGC | Auto/Manual |
| | Defog | Optical Defog |
| | S/N Ratio | ≥50dB |
| WDR | 120dB | |
| Wavelength | 850 nm | |
| Detection | 137.9 ~ 11862.0 m | |
| Observation | 55.1 ~ 4744.8 m | |
| Recognition | 27.5 ~ 2372.4 m | |
| Identification | 13.7 ~ 1186.2 m | |
| VIDEO | Video Compression | Enhanced (H.265, H.264), H.265, H.264, MJPEG |
| | Frame Rate | Main Stream: Thermal: (1280×1024, 1280×720, 640×512) @25/30fps; Visible: (2560×1440, 1920×1080, 1280×720) @25/30fps Sub Stream: Thermal: (704×576, 352×288) @25/30fps; Visible: (704×576, 640×480, 352×288) @25/30fps |
| | Stream Settings | i-Frame, PAL/NTSC, Frame Rate |
| | Bit Rate Control | CBR, VBR |
| | Bit Rate | Thermal: 100Kbps ~ 8Mbps Visible: 32Kbps ~ 6Mbps |
| | BLC | Supported |
| | OSD | Up to 8 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 Masking | Up to 4 regions |
| AUDIO | Audio Compression | G.711A, G.711U, RAW_PCM |
| | Audio Bitrate | 64 kbps, 128kbps |
| | Audio I/O | 2/2 |
| SMART | Behaviour Detection | Thermal/Visible: Intrusion (Perimeter), Crossline (Tripwire), Double Crossline (Double Tripwire) |
| | Intelligent Identification | Thermal/Visible: Loitering, Region Entry / Exit Detection, Flame Detection, Flame Point Detection |
| | Statistical Analysis | Thermal/Visible: People Counting, Wrong Way Detection, Human and Vehicle Detection, Temperature Detection |
| | Alarm Management | Motion Detection, Tampering Alarm, Disk Full Alarm, Temperature Alarm, Input / Output Alarm, Network Alarm |
| Alarm Notification | E-mail (Notification & Snapshot), HTTP (Alarm icon), FTP (Snapshot & Recording), SD Card (Recording) | |
| TEMPERATURE | Detection Mode | Spot, Line, Area (Total 20 Rules - 1 Full Screen and 19 others) |
| | Alarm | Over/Difference Alarm |
| | Accuracy | ±2°C / ±2% |
| | Response Time | ≤ 30ms |
| | Measurement range | -20°C ~ 150°C (-4°F to 302°F) |

IP DUAL SENSOR THERMAL PTZ CAMERA

ENC-HHP7Z-86X-39

| MODEL | Model No. | ENC-HHP7Z-86X-39 |
|-------------------|------------------------|---|
| | Type | IP DUAL SENSOR THERMAL PTZ CAMERA |
| INTERFACE | Protocols | TCP/IP, UDP, IPv4, IPv6, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP/RTCP, RTSP, PPPoE, NTP, UPnP, SMTP, IGMP V2/V3, 802.1x, QoS, Unicast, Multicast, SNMP, ARP, SSL / TLS 1.2 |
| | Security | AES Video Encryption, IP Filter, User Authentication (Multiple Privilege Level), HTTPS Authentication, Digest Authentication, User Access Log |
| | Compatibility | ONVIF (Profile S, G, T), CGI/SDK |
| | Network | 1x RJ45 10M/100M Self Adaptive Ethernet Port |
| | Serial Interface | 1xRS485 |
| | BNC | Supported |
| | Edge Storage | SD card slot, up to 512 GB |
| | Alarm I/O | 3/3 |
| | Heater & Blower | Supported (Optional) |
| | Max User | 32 |
| | Client Application | EyeGuard |
| | PAN AND TILT | Pan Range |
| Pan Speed | | Pan Manual Speed: 0.01° ~ 30°/s, Pan Preset Speed: 30°/s |
| Tilt Range | | -45° ~ +45° |
| Tilt Speed | | Tilt Manual Speed: 0.01° ~ 15° /s, Tilt Preset Speed: 15°/s |
| Preset Accuracy | | ±0.1° |
| Number of Presets | | 400 |
| 3D Position | | Supported |
| Power Off Memory | | Supported |
| PTZ Mode | | 8 Scan, 12 Tour, 6 Track (Up to 32 Presets Per Scan) |
| Speed Setup | | Auto/Manual (0-8) |
| GENERAL | Power Supply | 36V DC |
| | Max. Power consumption | ≤150W |
| | Working Temperature | -40 °C ~ 70 °C |
| | Working Humidity | ≤95% RH |
| | Casing | Metal |
| | Ingress Protection | IP67 |
| | Vandal Resistant | IK10 (Housing) |
| | Surge Protection | TVS6000V |
| | Reset Button | Supported |
| | Dimensions | 730x443x636 mm |
| Weight | 48 Kg | |

Dimension Unit : mm



IP DUAL SENSOR THERMAL PTZ CAMERA

ENC-HHP7Z-86X-39

ORDERING INFORMATION

| Part Number | Description | Standard Quantity |
|------------------|---|-------------------|
| ENC-HHP7Z-86X-39 | 4MP IP Dual Sensor Temperature Detection Thermal PTZ Camera with Visible Lens of 86X Optical Zoom and Thermal Imaging Camera with 640*512 Thermal Resolution and SD Card slot Support | 1 |

PACKING INFORMATION

| Part Number | Packing Mode | Gross weight(Kg) | Dimension(mm) |
|------------------|--------------|------------------|---------------|
| ENC-HHP7Z-86X-39 | Carton Box | - | - |