



HST-421-F420-N0



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4.0MP Starlight & Ultra WDR HD 20x Network Speed Dome Camera

Features

Excellent Image Quality

4.0 Megapixel 1/1.8" progressive scan CMOS sensor
High definition and smooth picture, 2688 x 1520@60fps
H.265 video codec, saves up to 50% bandwidth and storage
Low illumination, 0.0002lux with color picture
120dB Ultra WDR
HLC / 3D noise reduction

Intelligent Functions

Motion detection / Tampering / Guard line / Enter guard area / Exit guard area / Object left / Object removal /
Gathering / Audio surge

Long Operation Lifespan

Industrial components, withstands operation temperatures of -10°C ~ 55°C

A Variety of Installation Modes

Indoor ceiling / Indoor recessed

Abundant Functions and Features

SD card slot, supports Automatic Network Replenishment (ANR)
Up to 3 video streams
Bi-directional audio / alarm in and out / video out / RS485
Built-in O-sensor



| HST-421-F420-N0 | |
|-------------------------|--|
| Camera | |
| Image Sensor | 1/1.8" progressive scan CMOS |
| Pixels | 4.0 Megapixel |
| Min. Illumination | Color: 0.0002lux @ (F1.3, AGC ON) B/W: 0.0001lux @ (F1.3, AGC ON) |
| Shutter Speed | 1 ~ 1/30,000s |
| Day / Night | Auto (ICR) / Color / B/W |
| Wide Dynamic Range | Ultra WDR, >=120dB |
| S/N Ratio | >55dB |
| White Balance | Auto / Manual |
| Gain Control | Auto / Manual |
| Backlight Compensation | Off / WDR / BLC / HLC |
| Lens | |
| Focal Length | 5.5 ~ 110mm, 20x optical, 8x digital |
| Zoom Speed | Approx 3s (Optical) |
| Angle of View | 54.26° ~ 2.66° (Wide~Tele) |
| Min. Object Distance | 10 ~ 1500mm (Wide~Tele) |
| Max. Aperture Ratio | F1.65 (Wide) / F3.8 (Tele) |
| Focus Control | Auto / Manual / Semi-Automatic |
| Pan and Tilt | |
| Pan / Tilt Range | 360° Endless / 0° ~ 90° |
| Pan / Tilt Speed | Pan manual speed: 0.1° ~ 350°/s; Pan preset speed: 550°/s Tilt manual speed: 0.1° ~ 250°/s; Tilt preset speed: 450°/s |
| Proportional Zoom | Pan / Tilt speed can be adjusted automatically according to zoom multiples |
| Preset | 512 |
| Patrol | 8 Patrols scheme, up to 32 presets per patrol |
| Pattern Scan | 4 Scan paths, each path can record 10 minutes of operation path |
| Power-off Memory | Power-off memory / Power-on recovery |
| Auto Guard | Path / Preset / Mixed / Pan scan / Tilt scan / Frame scan / Random scan / Panorama scan |
| PT Limit | Manual / Scan / Pan |
| 3D Positioning | PTZ control with mouse click and drag |
| Electronic compass | Built-in O-sensor |
| Video | |
| Compression | H.265 / H.264 / MJPEG |
| Image Resolution | Main stream: 2688 x 1520 Secondary stream: 720P |
| Frame Rate | Main stream: 2688 x 1520@60fps Secondary stream: 720P@30fps |
| Bitrate | 32kbps ~ 16Mbps |
| Bitrate Control | VBR / CBR |
| Multi-stream | Supported |
| Caption | Date and time / Alarm / Direction / Customized |
| Privacy Masking | Up to 4 zones |
| Motion Detection | Up to 4 zones |
| Video Freeze | Supported |
| ROI | Supported |
| Digital Noise Reduction | 3D noise reduction |
| Digital Defog | Supported |
| Image Flip | Flip / Mirror |
| Audio | |
| Compression | G.711a / G.711u / ADPCM / G.722 |
| Bitrate | 32kbps ~ 64kbps |
| Audio Function | Bi-directional audio / AEC / Mixed audio recording / Dumb / Mute |
| Network | |
| Network Protocols | TCP/IP, UDP, HTTP, HTTPs, DHCP, DNS/DDNS, RTP/RTCP, RTSP, PPPoE, FTP, VSIP, UPnP, 802.1x, NAT, SMTP, IPv4, IPv6 |



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|---------------------------------------|---|
| User Interface | Chrome |
| Max. User Access | Max. 10 Users (includes 2 internal) |
| Application Programming | ONVIF (Profile S, Profile G, Profile T), GB/T 28181-2011, API, CGI |
| Automatic Network Replenishment (ANR) | Supported |
| Alarm | |
| Alarm Triggers | Alarm input / Network disconnect / Disk full / Disk error |
| Intelligent | Motion detection / Tampering / Guard line / Enter guard area / Exit guard area / Object left / Object removal / Gathering / Audio surge |
| Alarm Events | Alarm report / Recording / Text overlay / Snapshot / External output / Email notice / Acoustic alarm |
| Interfaces | |
| Ethernet | 10/100M, RJ45 interface |
| Audio In / Out | 1 x Line in / 1 x Line out |
| Control | 1 x RS485 |
| Alarm In / Out | 4 x Input / 2 x Output |
| Video Out | 1 x BNC, 1.0V [p-p] / 75Ω |
| Memory Slot | SD card slot, supports up to 256GB |
| Environmental | |
| Operating Temperature | -10°C ~ 55°C / 14°F ~ 131°F |
| Operating Humidity | 10% ~ 95% |
| Electrical | |
| Power | 24V AC / 3A (Power adapter included) / Hi-PoE (optional) |
| Power Consumption | Max. 20W |
| Mechanical | |
| Weight | 3 kg / 6.6lb (Net Weight) |
| Dimensions | Φ165 × 218mm / Φ6.50" × 8.58" |