# ViPRO

A Mobile Technology Company

# Speed Dome Series



Intelligent Traffic Surveillance
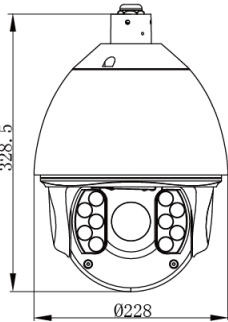
# BL810R
## 1.3MP HD 20x IR Network Speed Dome

- Integrated 16 bit processors, with low power consumption
- Infrared light constant multiple sets of switch mode, Infrared night vision up to 120 meters
- 256 preset positions, data memorize after power off, with 4 alarm input and 2 alarm output
- Built-in wiper for clear view in harsh weather condition
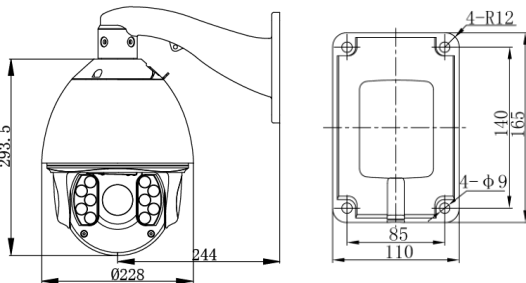
### Key Features

- 960P HD Realtime resolution
- True Day/Night, WDR, 3D-DNR, Defog
- 20X Optical zoom; Dual stream and HD capture
- IR night vision distance 120m
- 360° continuously rotation, manual pan speed at 0.1°/s ～260°/s adjusting, Tilt range -10°～90°, manual tilt speed at 90°/s, Pan preset speed max at 350°/s, tilt preset speed at 120°/s
- 4 alarm input, 2 alarm output
- Built-in wiper solve the disadvantage side of cleaning camera lens
- Telephoto limit speed function, recognizing many kinds of cameras
- 8 cruising tracks, 8 scanning commands, 4 patterns function
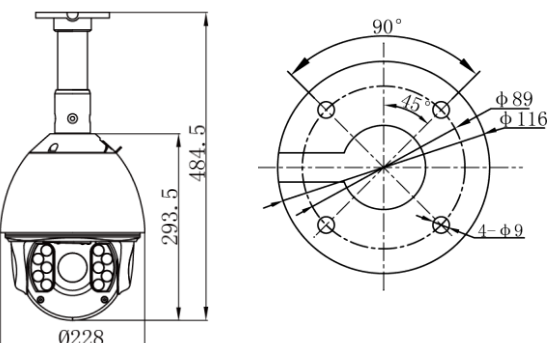- Walling bracket or ceiling bracket for option

### Dimensions (unit: mm)



### Wall Dimension (Unit :mm)



### In-ceiling Dimension (Unit:mm)



### Technical Specifications

| | | |
|---|---|---|
| HD Camera | Camera | 20x, 1.3 Mega pixel camera module |
| | Model | BL810R |
| | Image Sensor | 1/2.8" Progressive Scan CMOS |
| | Resolutions | 50HZ:25fps(1920x960) 60HZ:30fps(1920x960) 50HZ:50fps(1920x960) 60HZ:60fps(1920x960) 50HZ:25fps(1280x720) 60HZ:30fps(1280x720) 50HZ:50fps(1280x720) 60HZ:60fps(1280x720) |
| | Min. Illumination | Color: 0.05Lux @ (F1.6, AGC ON) B&W: 0.01Lux @ (F1.6, AGC ON) |
| | S/N Ratio | >52dB |
| | Backlight Compensation | ON/OFF |
| | Iris, Focus | Auto/Manual |
| | White Balance | Auto/ Manual/ ATW/ Indoor/ Outdoor |
| | Day & Night Mode | IR Cut Filter |
| | Electronic Shutter | 1/1s ~ 1/30,000s |
| | Wide Dynamic Range | Support |
| | Digital Noise Reduction | 3D DNR |
| | Defog | Support |
| | IR Distance | 80m (effective) up to 120m |
| Lens | Focal Length | 4.7-94mm |
| | Zoom | 20X Optical zoom |
| | Aperture Range | F1.6-F3.5 |
| | Angle of View | 58.3-3.2degree (Wide-Tele) |
| | Min. Working Distance | 10mm-1500mm (Wide-Tele) |
| Netwrk | Video Compression | H.264/MJPEG |
| | Audio Compression | G.711u/G.711a/G.726 |
| | Compression Output Rate | 32 Kbps~16Mbps |
| | Ethernet | 10Base-T / 100Base-TX, RJ45 connector |
| | Network Protocol | TCP/IP, HTTP, DHCP, DNS, DDNS, RTP, RTSP, PPPoE, SMTP, NTP, UpnP, SNMP, FTP, 802.1x, QoS, HTTPS, IPv6 (SIP, SRTP, for optional) |
| | SD Card Interface | Micro SD Slot, 32GB capacity (Max.) |
| | Smart Alarm | Remote detection, Screen-covered alarm, Memory storage full, Memory storage wrong |
| | Video IE Browse | 10 Users online simultaneous live view |
| | Stream | Dual streams |
| | User Rights | 32 Users (Max.), 3 Levels: Administrator, Operator, Normal user* (browse only) |
| | Security Mode | User Authorization (ID/PW), MAC address binding; HTTPS encryption; IEEE 802.1x network access control, IP address filtering |
| | ROI Encoding | Support 24 areas, grade adjustable |
| | ONVIF | Support |
| Dome | Pan / Tilt Range | Pan: 360° endless, Tilt: -10°~ 90° |
| | Pan / Tilt Preset Speed | Pan: 350°/s, Tilt: 120°/s |
| | Pan / Tilt Control Speed | Pan: 0.1°-260°/s, Tilt: 0°-90°/s |
| | Preset Positions | 256 |
| | Patrol | 8 patrols, up to 32 presets per patrol |
| General | RS-485 Protocols | Pelco-D, Pelco-P, Self-adaptive |
| | Alarm | 4 input / 2 output |
| | Power Supply | AC24V |
| | Ingress Protection | IP66 (Outdoor) TVS 4000V lightning, surge protection |
| | Working Temperature | -30°C-+55°C / -22°F~+131°F |
| | Humidity | 90% or less |
| | Dimensions | Φ228x293.5mm / Φ8.97"x11.55" |
| | Weight | 5KG / 11.02LBS |

# BL820R
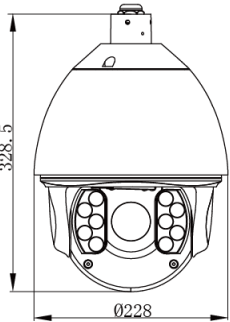## 2.0MP HD 20x IR Network Speed Dome

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- Integrated 16 bit processors, with low power consumption
- Infrared light constant multiple sets of switch mode, Infrared night vision up to 120 meters
- 256 preset positions, data memorize after power off, with 4 alarm input and 2 alarm output
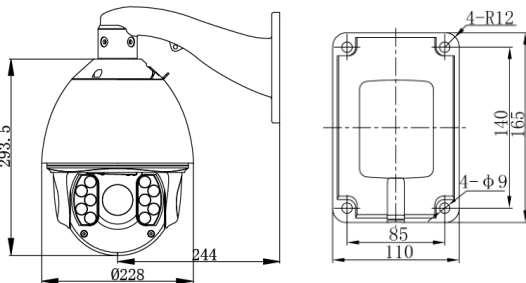- Built-in wiper for clear view in harsh weather condition

## Key Features

- 1080P Full HD Realtime resolution
- True Day/Night, WDR, 3D-DNR, Defog
- 20X Optical zoom; Dual stream and HD capture
- IR night vision distance 120m
- 360° continuously rotation, manual pan speed at 0.1°/s ～260°/s adjusting, Tilt range -10°～90°, manual tilt speed at 90°/s, Pan preset speed max at 350°/s, tilt preset speed at 120°/s
- 4 alarm input, 2 alarm output
- Built-in wiper solve the disadvantage side of cleaning camera lens
- Telephoto limit speed function, recognizing many kinds of cameras
- 8 cruising tracks, 8 scanning commands, 4 patterns function
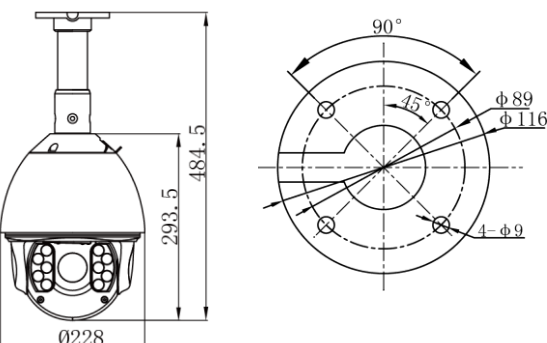- Walling bracket or ceiling bracket for option

## Dimensions (unit: mm)



## Wall Dimension (Unit :mm)



## In-ceiling Dimension (Unit:mm)



## Technical Specifications

| | | |
|---|---|---|
| **HD Camera** | Camera | 20x, 2.0 Mega pixel camera module |
| | Model | BL820R |
| | Image Sensor | 1/2.8" Progressive Scan CMOS |
| | Resolutions | 50HZ:25fps(1920x1080) 60HZ:30fps(1920x1080) 50HZ:25fps(1280x720) 60HZ:30fps(1280x720) |
| | Min. Illumination | Color: 0.05Lux @ (F1.6, AGC ON) B&W: 0.01Lux @ (F1.6, AGC ON) |
| | S/N Ratio | >52dB |
| | Backlight Compensation | ON/OFF |
| | Iris, Focus | Auto/Manual |
| | White Balance | Auto/ Manual/ ATW/ Indoor/ Outdoor |
| | Day & Night Mode | IR Cut Filter |
| | Electronic Shutter | 1/1s ~ 1/30,000s |
| | Wide Dynamic Range | Support |
| | Digital Noise Reduction | 3D DNR |
| | Defog | Support |
| | IR Distance | 80m (effective) up to 120m |
| **Lens** | Focal Length | 4.7-94mm |
| | Zoom | 20X Optical zoom |
| | Aperture Range | F1.6-F4.4 |
| | Angle of View | 65.1-2.34degree (Wide-Tele) |
| | Min. Working Distance | 10mm-1500mm (Wide-Tele) |
| **Netwrk** | Video Compression | H.264/MJPEG |
| | Audio Compression | G.711u/G.711a/G.726 |
| | Compression Output Rate | 32 Kbps~16Mbps |
| | Ethernet | 10Base-T / 100Base-TX, RJ45 connector |
| | Network Protocol | TCP/IP, HTTP, DHCP, DNS, DDNS, RTP, RTSP, PPPoE, SMTP, NTP, UpnP, SNMP, FTP, 802.1x, QoS, HTTPS, IPv6 (SIP, SRTP, for optional) |
| | SD Card Interface | Micro SD Slot, 32GB capacity (Max.) |
| | Smart Alarm | Remote detection, Screen-covered alarm, Memory storage full, Memory storage wrong |
| | Video IE Browse | 10 Users online simultaneous live view |
| | Stream | Dual streams |
| | User Rights | 32 Users (Max.), 3 Levels: Administrator, Operator, Normal user* (browse only) |
| | Security Mode | User Authorization (ID/PW), MAC address binding; HTTPS encryption; IEEE 802.1x network access control, IP address filtering |
| | ROI Encoding | Support 24 areas, grade adjustable |
| | ONVIF | Support |
| **Dome** | Pan / Tilt Range | Pan: 360° endless, Tilt: -10°~ 90° |
| | Pan / Tilt Preset Speed | Pan: 350°/s, Tilt: 120°/s |
| | Pan / Tilt Control Speed | Pan: 0.1°-260°/s, Tilt: 0°-90°/s |
| | Preset Positions | 256 |
| | Patrol | 8 patrols, up to 32 presets per patrol |
| **General** | RS-485 Protocols | Pelco-D, Pelco-P, Self-adaptive |
| | Alarm | 4 input / 2 output |
| | Power Supply | AC24V |
| | Ingress Protection | IP66 (Outdoor) TVS 4000V lightning, surge protection |
| | Working Temperature | -30°C-+55°C / -22°F~+131°F |
| | Humidity | 90% or less |
| | Dimensions | Φ228x293.5mm / Φ8.97"x11.55" |
| | Weight | 5KG / 11.02LBS |

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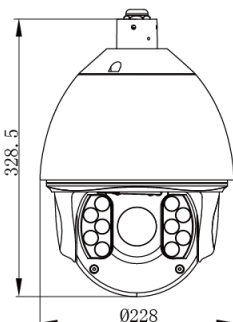
# BL830R
## 2.0MP HD 30x IR Network Speed Dome

- Integrated 16 bit processors, with low power consumption
- Infrared light constant multiple sets of switch mode, Infrared night vision up to 120 meters
- 256 preset positions, data memorize after power off, with 4 alarm input and 2 alarm output
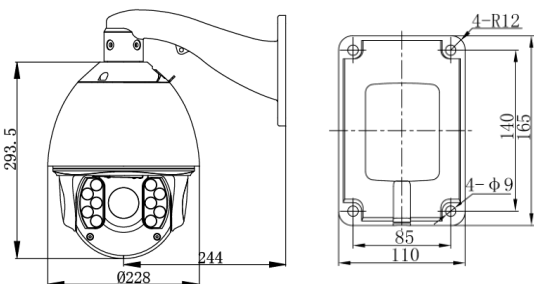- Built-in wiper for clear view in harsh weather condition

## Key Features

- 1080P Full HD Realtime resolution
- True Day/Night, WDR, 3D-DNR, Defog
- 30X Optical zoom; Dual stream and HD capture
- IR night vision distance 120m
- 360° continuously rotation, manual pan speed at 0.1°/s ～260°/s adjusting, Tilt range -10°～90°, manual tilt speed at 90°/s, Pan preset speed max at 350°/s, tilt preset speed at 120°/s
- 4 alarm input, 2 alarm output
- Built-in wiper solve the disadvantage side of cleaning camera lens
- Telephoto limit speed function, recognizing many kinds of cameras
- 8 cruising tracks, 8 scanning commands, 4 patterns function
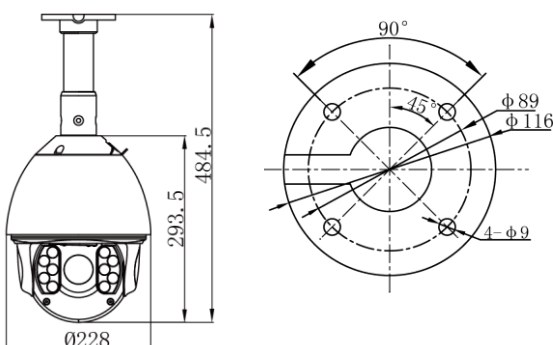- Wall mount bracket or ceiling mount bracket for option

## Dimensions (unit: mm)

## Wall Dimension (Unit :mm)

## In-ceiling Dimension (Unit:mm)

## Technical Specifications

| | | |
|---|---|---|
| **HD Camera** | Camera | 30x, 2.0 Mega pixel camera module |
| | Model | BL830R |
| | Image Sensor | 1/2.8" Progressive Scan CMOS |
| | Resolutions | 50HZ:25fps(1920x1080) 60HZ:30fps(1920x1080) 50HZ:25fps(1280x720) 60HZ:30fps(1280x720) |
| | Min. Illumination | Color: 0.05Lux @ (F1.6, AGC ON) B&W: 0.01Lux @ (F1.6, AGC ON) |
| | S/N Ratio | >52dB |
| | Backlight Compensation | ON/OFF |
| | Iris, Focus | Auto/Manual |
| | White Balance | Auto/ Manual/ ATW/ Indoor/ Outdoor |
| | Day & Night Mode | IR Cut Filter |
| | Electronic Shutter | 1/1s ~ 1/30,000s |
| | Wide Dynamic Range | Support |
| | Digital Noise Reduction | 3D DNR |
| | Defog | Support |
| | IR Distance | 80m (effective) up to 120m |
| **Lens** | Focal Length | 4.5-135mm |
| | Zoom | 30X Optical zoom |
| | Aperture Range | F1.6-F4.4 |
| | Angle of View | 65.1-2.34degree (Wide-Tele) |
| | Min. Working Distance | 10mm-1500mm (Wide-Tele) |
| **Netwrk** | Video Compression | H.264/MJPEG |
| | Audio Compression | G.711u/G.711a/G.726 |
| | Compression Output Rate | 32 Kbps~16Mbps |
| | Ethernet | 10Base-T / 100Base-TX, RJ45 connector |
| | Network Protocol | TCP/IP, HTTP, DHCP, DNS, DDNS, RTP, RTSP, PPPoE, SMTP, NTP, UpnP, SNMP, FTP, 802.1x, QoS, HTTPS, IPv6 (SIP, SRTP, for optional) |
| | SD Card Interface | Micro SD Slot, 32GB capacity (Max.) |
| | Smart Alarm | Remote detection, Screen-covered alarm, Memory storage full, Memory storage wrong |
| | Video IE Browse | 10 Users online simultaneous live view |
| | Stream | Dual streams |
| | User Rights | 32 Users (Max.), 3 Levels: Administrator, Operator, Normal user* (browse only) |
| | Security Mode | User Authorization (ID/PW), MAC address binding; HTTPS encryption; IEEE 802.1x network access control, IP address filtering |
| | ROI Encoding | Support 24 areas, grade adjustable |
| | ONVIF | Support |
| **Dome** | Pan / Tilt Range | Pan: 360° endless, Tilt: -10°~ 90° |
| | Pan / Tilt Preset Speed | Pan: 350°/s, Tilt: 120°/s |
| | Pan / Tilt Control Speed | Pan: 0.1°-260°/s, Tilt: 0°-90°/s |
| | Preset Positions | 256 |
| | Patrol | 8 patrols, up to 32 presets per patrol |
| **General** | RS-485 Protocols | Pelco-D, Pelco-P, Self-adaptive |
| | Alarm | 4 input / 2 output |
| | Power Supply | AC24V |
| | Ingress Protection | IP66 (Outdoor) TVS 4000V lightning, surge protection |
| | Working Temperature | -30°C-+55°C / -22°F~+131°F |
| | Humidity | 90% or less |
| | Dimensions | Φ228x293.5mm / Φ8.97"x11.55" |
| | Weight | 5KG / 11.02LBS |

# HL810C
## 1.3MP HD 20x IR Network High Speed Dome

- Integrated 16 bit processors, with low power consumption
- Built-in high-intensity OSRAM chips, achieving the long-range distance surveillance
- Precision 0.9° motor-driven, more stable and smooth low-speed control without jitter
- Using industrial-grade components, suitable for bad weather environment
- Suitable for Vehicle Surveillance installation

## Key Features

- 960P HD Realtime resolution
- True Day/Night, WDR, 3D-DNR, Defog
- 20X Optical zoom; Dual stream and HD capture
- IR night vision distance at 80m
- Support variety of HD Platform connection
- IP66 Weather-proof design for car surveillance with special shock absorber CZ52
- With XD52 powerful magnet for portable outdoor vehicle monitoring
- Integrated with different kinds of HD camera module and HD sensor, achieving HD image capturing.
- Automatic 180º flip and panoramic monitoring without blind point, the location precision up to ±0.1°
- Running stably at low speed with super low noise
- Adopt the latest H.264 video compression algorithm and DSP processing chip and platform, high compression ratio, with high quality image, and built in with digital decoder
- Apply full digital control, flexible programming, drive line compact and simple design, could take rapid positioning and continuous tracking scan
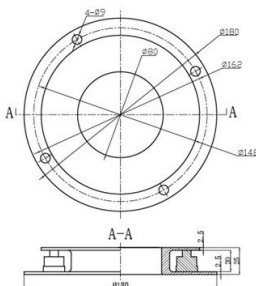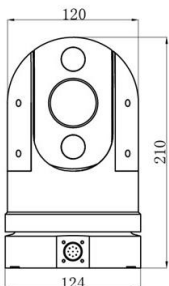
## Accessories

CZ52 Shock Absorber

XD52 Magnet Base
(optional)

## Dimensions (unit: mm)

## Technical Specifications

| | | |
|---|---|---|
| **HD Camera** | Camera | 20x, 1.3 Mega pixel camera module |
| | Model | HL810C |
| | Image Sensor | 1/2.8" Progressive Scan CMOS |
| | Resolutions | 50HZ:25fps(1920x960) 60HZ:30fps(1920x960) 50HZ:50fps(1920x960) 60HZ:60fps(1920x960) 50HZ:25fps(1280x720) 60HZ:30fps(1280x720) 50HZ:50fps(1280x720) 60HZ:60fps(1280x720) |
| | Min. Illumination | Color: 0.05Lux @ (F1.6, AGC ON) B&W: 0.01Lux @ (F1.6, AGC ON) |
| | S/N Ratio | >52dB |
| | Backlight Compensation | ON/OFF |
| | Iris, Focus | Auto/ Manual |
| | White Balance | Auto/ Manual/ ATW/ Indoor/ Outdoor |
| | Day & Night Mode | IR Cut Filter |
| | Electronic Shutter | 1/1s ~ 1/30,000s |
| | Wide Dynamic Range | Support |
| | Digital Noise Reduction | 3D DNR |
| | Defog | Support |
| | IR Distance | 80m (2 groups Infrared light) / 200 m (1 group infrared lamp with 1W linkage laser light) |
| **Lens** | Focal Length | 4.7-94mm |
| | Zoom | 20X Optical zoom |
| | Aperture Range | F1.6-F3.5 |
| | Angle of View | 58.3-3.2degree (Wide-Tele) |
| | Min. Working Distance | 10mm-1500mm (Wide-Tele) |
| **Network** | Video Compression | H.264/MJPEG |
| | Audio Compression | G.711u/G.711a/G.726 |
| | Compression Output Rate | 32 Kbps~16Mbps |
| | Ethernet | 10Base-T / 100Base-TX, RJ45 connector |
| | Network Protocol | TCP/IP, HTTP, DHCP, DNS, DDNS, RTP, RTSP, PPPoE, SMTP, NTP, UpnP, SNMP, FTP, 802.1x, QoS, HTTPS, IPv6 (SIP, SRTP, optional) |
| | SD Card Interface | Micro SD Slot, 32GB capacity (Max.) |
| | Smart Alarm | Remote detection, Screen-covered alarm, Memory storage full, Memory storage wrong |
| | Video IE Browse | 10 Users online simultaneous live view |
| | Stream | Dual streams |
| | User Rrights | 32 Users (Max.), 3 Levels: Administrator, Operator, Normal user* (browse only) |
| | Security Mode | User Authorization (ID/PW), MAC address binding; HTTPS encryption; IEEE 802.1x network access control, IP address filtering |
| | ROI Encoding | Support 24 areas, grade adjustable |
| | ONVIF | Support |
| **PTZ** | Pan / Tilt Range | Pan: 360° endless, Tilt: 0°~ 90° (Auto Flip) |
| | Pan / Tilt Preset Speed | Pan: 300°/s, Tilt: 120°/s |
| | Pan / Tilt Control Speed | Pan: 0.1°-220°/s, Tilt: 0.1°-90°/s |
| | Preset Positions | 256 |
| | Patrol | 8 patrols, up to 32 presets per patrol |
| **General** | RS-485 Protocols | Pelco-D, Pelco-P, Self-adaptive |
| | Alarm | 1 input / 1 output |
| | Power Supply | DC12V/2.5A |
| | Ingress Protection | IP66 (Outdoor) TVS 4000V lightning, surge protection |
| | Working Temperature | -45°C-+60°C / -45°F~+140°F |
| | Humidity | 90% or less |
| | Dimensions | Φ124x210mm / Φ4.88"x8.06" |
| | Weight | 2.5KG / 5.51LBS |

# HL820C
## 2.0MP HD 20x IR Network High Speed Dome

- Integrated 16 bit processors, with low power consumption
- Built-in high-intensity OSRAM chips, achieving the long-range distance surveillance
- Precision 0.9° motor-driven, more stable and smooth low-speed control without jitter
- Using industrial-grade components, suitable for bad weather environment
- Suitable for Vehicle Surveillance installation

## Key Features

- 1080P Full HD Realtime resolution
- True Day/Night, WDR, 3D-DNR, Defog
- 20X Optical zoom; Dual stream and HD capture
- IR night vision distance at 80m
- Support variety of HD Platform connection
- IP66 Weather-proof design for car surveillance with special shock absorber CZ52
- With XD52 powerful magnet for portable outdoor vehicle monitoring
- Integrated with different kinds of HD camera module and HD sensor, achieving HD image capturing.
- Automatic 180º flip and panoramic monitoring without blind point, the location precision up to ±0.1°
- Running stably at low speed with super low noise
- Adopt the latest H.264 video compression algorithm and DSP processing chip and platform, high compression ratio, with high quality image, and built in with digital decoder
- Apply full digital control, flexible programming, drive line compact and simple design, could take rapid positioning and continuous tracking scan
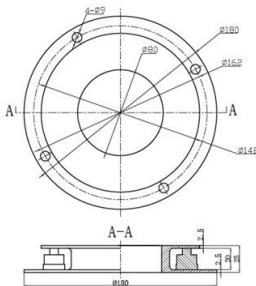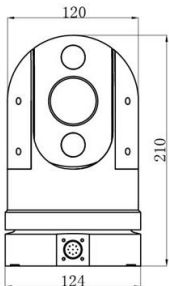
## Accessories

CZ52 Shock Absorber

XD52 Magnet Base
(optional)

## Dimensions (unit: mm)

## Technical Specifications

| | | |
|---|---|---|
| **HD Camera** | Camera | 20x, 2.0 Mega pixel camera module |
| | Model | HL820C |
| | Image Sensor | 1/2.8" Progressive Scan CMOS |
| | Resolutions | 50HZ:25fps(1920x1080) 60HZ:30fps(1920x1080) 50HZ:25fps(1280x720) 60HZ:30fps(1280x720) |
| | Min. Illumination | Color: 0.05Lux @ (F1.6, AGC ON) B&W: 0.01Lux @ (F1.6, AGC ON) |
| | S/N Ratio | >52dB |
| | Backlight Compensation | ON/OFF |
| | Iris, Focus | Auto/ Manual |
| | White Balance | Auto/ Manual/ ATW/ Indoor/ Outdoor |
| | Day & Night Mode | IR Cut Filter |
| | Electronic Shutter | 1/1s ~ 1/30,000s |
| | Wide Dynamic Range | Support |
| | Digital Noise Reduction | 3D DNR |
| | Defog | Support |
| | IR Distance | 80m (2 groups Infrared light) / 200 m (1 group infrared lamp with 1W linkage laser light) |
| **Lens** | Focal Length | 4.7-94mm |
| | Zoom | 20X Optical zoom |
| | Aperture Range | F1.6-F4.4 |
| | Angle of View | 65.1-2.34degree (Wide-Tele) |
| | Min. Working Distance | 10mm-1500mm (Wide-Tele) |
| **Network** | Video Compression | H.264/MJPEG |
| | Audio Compression | G.711u/G.711a/G.726 |
| | Compression Output Rate | 32 Kbps~16Mbps |
| | Ethernet | 10Base-T / 100Base-TX, RJ45 connector |
| | Network Protocol | TCP/IP, HTTP, DHCP, DNS, DDNS, RTP, RTSP, PPPoE, SMTP, NTP, UpnP, SNMP, FTP, 802.1x, QoS, HTTPS, IPv6 (SIP, SRTP, optional) |
| | SD Card Interface | Micro SD Slot, 32GB capacity (Max.) |
| | Smart Alarm | Remote detection, Screen-covered alarm, Memory storage full, Memory storage wrong |
| | Video IE Browse | 10 Users online simultaneous live view |
| | Stream | Dual streams |
| | User Rrights | 32 Users (Max.), 3 Levels: Administrator, Operator, Normal user* (browse only) |
| | Security Mode | User Authorization (ID/PW), MAC address binding; HTTPS encryption; IEEE 802.1x network access control, IP address filtering |
| | ROI Encoding | Support 24 areas, grade adjustable |
| | ONVIF | Support |
| **PTZ** | Pan / Tilt Range | Pan: 360° endless, Tilt: 0°~ 90° (Auto Flip) |
| | Pan / Tilt Preset Speed | Pan: 300°/s, Tilt: 120°/s |
| | Pan / Tilt Control Speed | Pan: 0.1°-220°/s, Tilt: 0.1°-90°/s |
| | Preset Positions | 256 |
| | Patrol | 8 patrols, up to 32 presets per patrol |
| **General** | RS-485 Protocols | Pelco-D, Pelco-P, Self-adaptive |
| | Alarm | 1 input / 1 output |
| | Power Supply | DC12V/2.5A |
| | Ingress Protection | IP66 (Outdoor) TVS 4000V lightning, surge protection |
| | Working Temperature | -45°C-+60°C / -45°F~+140°F |
| | Humidity | 90% or less |
| | Dimensions | Φ124x210mm / Φ4.88"x8.06" |
| | Weight | 2.5KG / 5.51LBS |

# HL830C
## 2.0MP HD 30x IR Network High Speed Dome

- Integrated 16 bit processors, with low power consumption
- Built-in high-intensity OSRAM chips, achieving the long-range distance surveillance
- Precision 0.9° motor-driven, more stable and smooth low-speed control without jitter
- Using industrial-grade components, suitable for bad weather environment
- Suitable for Vehicle Surveillance installation

## Key Features

- 1080P Full HD Realtime resolution
- True Day/Night, WDR, 3D-DNR, Defog
- 30X Optical zoom; Dual stream and HD capture
- IR night vision distance at 80m
- IP66 Weather-proof design for car surveillance with special shock absorber CZ52
- With XD52 powerful magnet for portable outdoor vehicle monitoring
- Integrated with different kinds of HD camera module and HD sensor, achieving HD image capturing
- Automatic 180º flip and panoramic monitoring without blind point, the location precision up to ±0.1°
- Running stably at low speed with super low noise
- Adopt the latest H.264 video compression algorithm and DSP processing chip and platform, high compression ratio, with high quality image, and built in with digital decoder
- Apply full digital control, flexible programming, drive line compact and simple design, take rapid positioning and continuous tracking scan
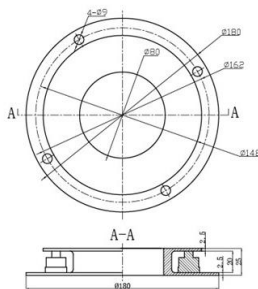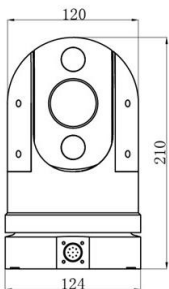
## Accessories

CZ52 Shock Absorber

XD52 Magnet Base (optional)

## Dimensions (unit: mm)

## Technical Specifications

| | | |
|---|---|---|
| **HD Camera** | Camera | 30x, 2.0 Mega pixel camera module |
| | Model | HL830C |
| | Image Sensor | 1/2.8" Progressive Scan CMOS |
| | Resolutions | 50HZ:25fps(1920x1080) 60HZ:30fps(1920x1080) 50HZ:25fps(1280x720) 60HZ:30fps(1280x720) |
| | Min. Illumination | Color: 0.05Lux @ (F1.6, AGC ON) B&W: 0.01Lux @ (F1.6, AGC ON) |
| | S/N Ratio | >52dB |
| | Backlight Compensation | ON/OFF |
| | Iris, Focus | Auto/Manual |
| | White Balance | Auto/ Manual/ ATW/ Indoor/ Outdoor |
| | Day & Night Mode | IR Cut Filter |
| | Electronic Shutter | 1/1s ~ 1/30,000s |
| | Wide Dynamic Range | Support |
| | Digital Noise Reduction | 3D DNR |
| | Defog | Support |
| | IR Distance | 80m (2 groups Infrared light) / 200 m (1 group infrared lamp with 1W linkage laser light) |
| **Lens** | Focal Length | 4.5-135mm |
| | Zoom | 30X Optical zoom |
| | Aperture Range | F1.6-F4.4 |
| | Angle of View | 65.1-2.34degree (Wide-Tele) |
| | Min. Working Distance | 10mm-1500mm (Wide-Tele) |
| **Netwrk** | Video Compression | H.264/MJPEG |
| | Audio Compression | G.711u/G.711a/G.726 |
| | Compression Output Rate | 32 Kbps~16Mbps |
| | Ethernet | 10Base-T / 100Base-TX, RJ45 connector |
| | Network Protocol | TCP/IP, HTTP, DHCP, DNS, DDNS, RTP, RTSP, PPPoE, SMTP, NTP, UpnP, SNMP, FTP, 802.1x, QoS, HTTPS, IPv6 (SIP, SRTP, for optional) |
| | SD Card Interface | Micro SD Slot, 32GB capacity (Max.) |
| | Smart Alarm | Remote detection, Screen-covered alarm, Memory storage full, Memory storage wrong |
| | Video IE Browse | 10 Users online simultaneous live view |
| | Stream | Dual streams |
| | User Rights | 32 Users (Max.), 3 Levels: Administrator, Operator, Normal user* (browse only) |
| | Security Mode | User Authorization (ID/PW), MAC address binding; HTTPS encryption; IEEE 802.1x network access control, IP address filtering |
| | ROI Encoding | Support 24 areas, grade adjustable |
| | ONVIF | Support |
| **PTZ** | Pan / Tilt Range | Pan: 360° endless, Tilt: 0°~ 90° (Auto Flip) |
| | Pan / Tilt Preset Speed | Pan: 300°/s, Tilt: 120°/s |
| | Pan / Tilt Control Speed | Pan: 0.1°-220°/s, Tilt: 0.1°-90°/s |
| | Preset Positions | 256 |
| | Patrol | 8 patrols, up to 32 presets per patrol |
| **General** | RS-485 Protocols | Pelco-D, Pelco-P, Self-adaptive |
| | Alarm | 1 input / 1 output |
| | Power Supply | DC12V/2.5A |
| | Ingress Protection | IP66 (Outdoor) TVS 4000V lightning, surge protection |
| | Working Temperature | -45°C-+60°C / -31°F~+140°F |
| | Humidity | 90% or less |
| | Dimensions | Φ124x210mm / Φ4.88"x8.06" |
| | Weight | 2.5KG / 5.51LBS |

# HS720
## 2.0MP 20x HD IR Network High Speed PTZ

HS720 is an integlligent 2.0MP High Speed PTZ network camera integrated high quality HD camera module and HD sensor, achieving HD image capturing. It adopts the latest H.264 video compression algorithm and DSP processing chip and platform, high compression ratio, with high quality image, and built in with digital decoder.

It applies full digital control, flexible programming, drive line compact and simple design, thus could take rapid positioning and continuous tracking scan, really achieving full range monitoring without blind spot.
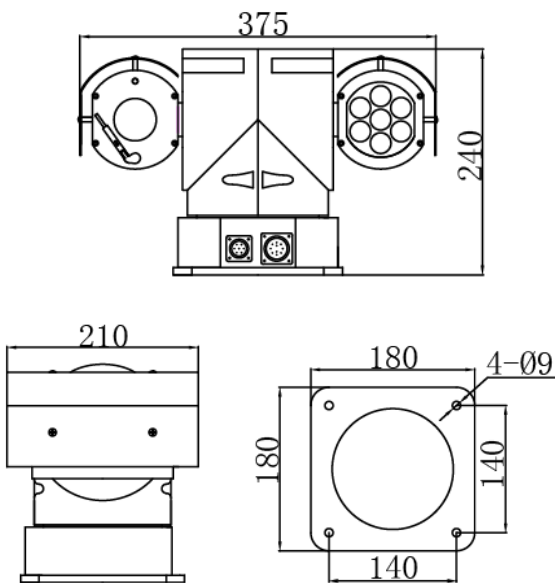
## Key Features

- 1080P Full HD realtime resolution
- True Day/Night, WDR, 3D-DNR, Defog
- 20X Optical zoom
- Dual stream and HD capture
- IR night vision distance 100m
- Suitable for car surveillance: DC11V-DC18V
- IP66 Weatherproof design, high die-cast aluminum casing, temperature: -35℃~+55℃, with sun-shield housing and wiper
- 360° Continuous rotation, upward angle +90°~ -90°, without blind spot.
- Pan preset speed 100°/S, tilt preset speed 80°/S, with 256 preset positions, 6 cruising tracks.
- Support auto-cruise, horizontal scanning, the camera mode and displays the title.
- PTZ coordinates, the lens magnification display function.
- Car-surveillance shock absorber for option

## Dimensions (unit: mm)

## Technical Specifications

| | | |
|---|---|---|
| **HD Camera** | Camera | 20x, 2.0 Mega pixel camera module |
| | Model | HS720 |
| | Image Sensor | 1/2.8" Progressive Scan CMOS |
| | Resolutions | 50HZ:25fps(1920x1080) 60HZ:30fps(1920x1080) 50HZ:25fps(1280x720) 60HZ:30fps(1280x720) |
| | Min. Illumination | Color: 0.05Lux @ (F1.6, AGC ON) B&W: 0.01Lux @ (F1.6, AGC ON) |
| | S/N ratio | >52dB |
| | Backlight Compensation | ON/OFF |
| | Iris, Focus | Auto/Manual |
| | White Balance | Auto/ Manual/ ATW/ Indoor/ Outdoor |
| | Day & Night Mode | IR Cut Filter |
| | Electronic shutter | 1/1s ~ 1/30,000s |
| | Wide Dynamic Range | 3D DNR |
| | Defog | Support |
| | IR Distance | 100m |
| **Lens** | Focal length | 4.7-94mm |
| | Focal Length | 20X Optical zoom |
| | Zoom | F1.6-F4.4 |
| | Aperture Range | 65.1-2.34degree (Wide-Tele) |
| | Angle of View | 10mm-1500mm (Wide-Tele) |
| **Network** | Video Compression | H.264/MJPEG |
| | Audio Compression | G.711u/G.711a/G.726 |
| | Compression Output Rate | 32 Kbps~16Mbps |
| | Ethernet | 10Base-T / 100Base-TX, RJ45 connector |
| | Network Protocol | TCP/IP, HTTP, DHCP, DNS, DDNS, RTP, RTSP, PPPoE, SMTP, NTP, UpnP, SNMP, FTP, 802.1x, QoS, HTTPS, IPv6 (SIP, SRTP, optional) |
| | SD Card Interface | Micro SD Slot, 32GB capacity (Max.) |
| | Smart Alarm | Remote detection, Screen-covered alarm, Memory storage full, Memory storage wrong |
| | Video IE browse | 10 Users online simultaneous live view |
| | Stream | Dual streams |
| | User Rights | 32 Users (Max), 3 Levels:Administrator, Operator, Normal user* (browse only) |
| | Security Mode | User Authorization (ID/PW), MAC address binding; HTTPS encryption; IEEE 802.1x network access control, IP address filtering |
| | ROI Encoding | Support 24 areas, grade adjustable |
| | ONVIF | Support |
| **PTZ** | Pan / Tilt Range | Pan: 360° endless, Tilt: 90°~ -90° |
| | Pan / Tilt Preset Speed | Pan: 100°/s, Tilt: 80°/s |
| | Pan / Tilt Control Speed | Pan: 0°-60°/s, Tilt: 0°-40°/s |
| | Preset Positions | 256 presets, 6 cruising tracks |
| | Communications | RS485, built in 16 different protocols, baud rate from 2400Bps-19200Bps for option |
| **Mechanical** | Power supply | DC12V (50VA) |
| | Ingress Protection | IP66 (Outdoor) |
| | Working Temperature | -35°C-+55°C / -31°F~+131°F |
| | Humidity | 90% or less |
| | Dimensions | 240x375mm / 9.44"x14.76" |
| | Anti-shock Weight | KG≧4G |
| | Weight | 6.0KG / 13.23LBS |

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# HS730
## 2.0MP 30x HD IR Network High Speed PTZ

www.vipro.com.tw

HS730 is an intelligent 2.0MP High Speed PTZ network camera integrated high quality HD camera module and HD sensor, achieving HD image capturing. It adopts the latest H.264 video compression algorithm and DSP processing chip and platform, high compression ratio, with high quality image, and built in with digital decoder.

It applies full digital control, flexible programming, drive line compact and simple design, thus could take rapid positioning and continuous tracking scan, really achieving full range monitoring without blind spot.
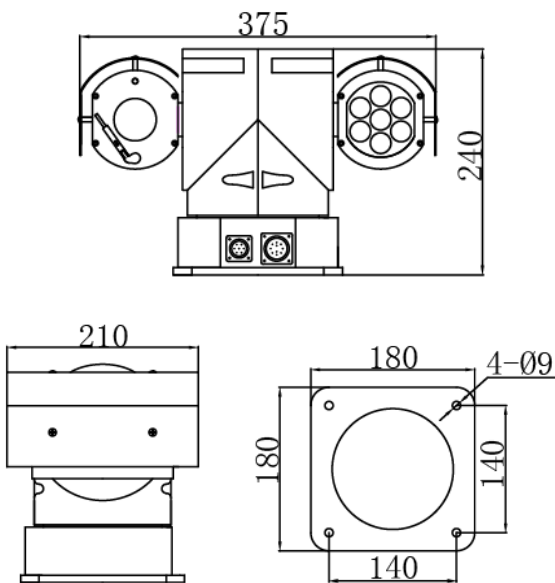
## Key Features

- 1080P Full HD realtime resolution
- True Day/Night, WDR, 3D-DNR, Defog
- 30X Optical zoom
- Dual stream and HD capture
- IR night vision distance 100m
- Suitable for car surveillance: DC11V-DC18V
- IP66 Weatherproof design, high die-cast aluminum casing, temperature: -35℃~+55℃, with sun-shield housing and wiper
- 360° Continuous rotation, upward angle +90°~ -90°, without blind spot.
- Pan preset speed 100°/S, tilt preset speed 80°/S, with 256 preset positions, 6 cruising tracks.
- Support auto-cruise, horizontal scanning, the camera mode and displays the title.
- PTZ coordinates, the lens magnification display function.
- Car-surveillance shock absorber for option

## Dimensions (unit: mm)



## Technical Specifications

| | | |
|---|---|---|
| **HD Camera** | Camera | 30x, 2.0 Mega pixel camera module |
| | Model | HS730 |
| | Image Sensor | 1/2.8" Progressive Scan CMOS |
| | Resolutions | 50HZ:25fps(1920x1080) 60HZ:30fps(1920x1080) 50HZ:25fps(1280x720) 60HZ:30fps(1280x720) |
| | Min. Illumination | Color: 0.05Lux @ (F1.6, AGC ON) B&W: 0.01Lux @ (F1.6, AGC ON) |
| | S/N Ratio | >52dB |
| | Backlight compensation | ON/OFF |
| | Iris, Focus | Auto/Manual |
| | White Balance | Auto/ Manual/ ATW/ Indoor/ Outdoor |
| | Day&Night mode | IR Cut Filter |
| | Electronic shutter | 1/1s ~ 1/30,000s |
| | Wide Dynamic Range | Support |
| | Digital Noise Reduction | 3D DNR |
| | Defog | Support |
| | IR Distance | 100m |
| **Lens** | Focal Length | 4.5-135mm |
| | Zoom | 30X Optical zoom |
| | Aperture Range | F1.6-F4.4 |
| | Angle of View | 65.1-2.34degree (Wide-Tele) |
| | Min. Working Distance | 10mm-1500mm (Wide-Tele) |
| **Network** | Video Compression | H.264/MJPEG |
| | Audio Compression | G.711u/G.711a/G.726 |
| | Compression Output Rate | 32 Kbps~16Mbps |
| | Ethernet | 10Base-T / 100Base-TX, RJ45 connector |
| | Network Protocol | TCP/IP, HTTP, DHCP, DNS, DDNS, RTP, RTSP, PPPoE, SMTP, NTP, UpnP, SNMP, FTP, 802.1x, QoS, HTTPS, IPv6 (SIP, SRTP, optional) |
| | SD Card Interface | Micro SD Slot, 32GB capacity (Max.) |
| | Smart Alarm | Remote detection, Screen-covered alarm, Memory storage full, Memory storage wrong |
| | Video IE Browse | 10 Users online simultaneous live view |
| | Stream | Dual streams |
| | User Rights | 32 Users (Max.), 3 Levels: Administrator, Operator, Normal user* (browse only) |
| | Security Mode | User Authorization (ID/PW), MAC address binding; HTTPS encryption; IEEE 802.1x network access control, IP address filtering |
| | ROI Encoding | Support 24 areas, grade adjustable |
| | ONVIF | Support |
| **PTZ** | Pan / Tilt Range | Pan: 360° endless, Tilt: 90°~ -90° |
| | Pan / Tilt preset Speed | Pan: 100°/s, Tilt: 80°/s |
| | Pan / Tilt Control Speed | Pan: 0°-60°/s, Tilt: 0°-40°/s |
| | Preset Positions | 256 presets, 6 cruising tracks |
| | Communications | RS485, built in 16 different protocols, baud rate from 2400Bps-19200Bps for option |
| **Mechanical** | Power supply | DC12V (50VA) |
| | Ingress Protection | IP66 (Outdoor) |
| | Working Temperature | -35℃-+55℃ / -31℉~+131℉ |
| | Humidity | 90% or less |
| | Dimensions | 240x375mm / 9.44"x14.76" |
| | Anti-shock weight | KG≥4G |
| | Weight | 6.0KG / 13.23LBS |