



Creativity Progress & Excellence

Network Product





IPS4204S / IPS4208S

IMEGAPRO

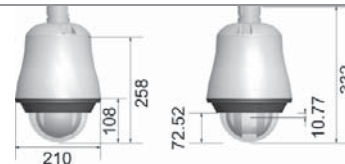
**20X Day & Night 1080P HD WDR
Speed Dome IP Camera (Outdoor)**



Features

- 20X Optical Zoom Lens(4.7 – 94mm)
- 12X Digital Zoom
- HD 3 megapixel CMOS image sensor
- True H.264 AVC/MPEG-4 part 10 real-time video compression
- H.264 and Motion JPEG multi-profile video streaming
- Wide Dynamic Range
- Digital Noise Reduce Function
- Dynamic Privacy Zone Mask
- Sens. Up Function
- 2-way audio supported
- Onvif supported
- Weatherproof IP66

Dimensions Φ 210 mm x 332 mm



(Unit:mm)

| SPEED DOME IP CAMERA SERIES | |
|-------------------------------|--|
| Name | 20X Day & night 1080P HD WDR Speed Dome IP Camera |
| Model | IPS4204S IPS4208S |
| Power supply | AC24V AC100 – 240V |
| Power consumption | 37W (with Heater) 48W (with Heater) |
| Image pick-up device | 1/2.8 Type Exmor CMOS Sensor |
| Effective pixels | 2096 (H) × 1561 (V) = 3,269,760 (pixels) |
| Total number of pixel | 2144 (H) × 1588 (V) = 3,404,672 (pixels) |
| Scanning system | Progressive scan |
| Video output | CVBS 1.0 Vp-p / 75 Ω BNC |
| Minimum illumination | 0.5 Lux (1/30 sec, 50%, High Sensitivity mode ON) |
| | 1.7 Lux (1/30 sec, 50%, High Sensitivity mode OFF) |
| | ICR-ON Mode 0.095 Lux (1/30 sec, 50%, High Sensitivity mode ON) |
| | ICR-ON Mode 0.3 Lux (1/30 sec, 50%, High Sensitivity mode OFF) |
| IP rating | IP66 |
| Ambient operating temperature | - 40°C – + 50°C (-40°F – 122°F) |
| Operating humidity | 0% – 90% |
| Dimension | 332 mm (H) x 210 mm (V) |
| Weight | 3200 g |
| Heater activation | On: 15°C, Off: 25°C |
| Fan activation | On: 35°C, Off: 25°C |
| Pan & tilt | |
| Panning range | 360° Endless |
| Panning mode | Manual , auto , manual position , sequential position |
| Panning speed | Manual approx. 0.15°/s – 120°/s 8 Steps, Preset approx. 1°/s – 255°/s, Alarm Trigger Speed 360°/s |
| Tilting range | - 6° – + 96° |
| Tilting mode | Manual , auto , manual position , sequential position |
| Tilting speed | Manual approx. 0.15°/s – 120°/s 8 Steps, Preset approx. 1°/s – 255°/s, Alarm Trigger Speed 360°/s |
| Lens | |
| Zoom ratio | 20x Optical zoom |
| Focal length | 4.7 mm (WIDE) to 94.0 mm (TELE) |
| Minimum aperture ratio | 1 : 1.6 (Wide) – 3.5 (Tele) |
| Minimum object distance | 10 mm (WIDE end), 0.8M (TELE end) |
| Iris range | F1.6 – 36.0, Close |
| Angle field of view | Approx. 55.4 degrees (WIDE end), approx. 2.9 degrees (TELE end), (1080p mode) |
| | Approx. 37.6 degrees (WIDE end), approx. 2.0 degrees (TELE end), (720p mode) |
| Main functions | |
| Control function | Pan and Tilt / Zoom and Focus / Iris and ICR / 128 Preset Position / Home Position |
| Digital zoom ratio | 12X |
| Zoom speed | Slow / MID. / Fast Selectable [Fast : Approx. 5.0 Second (Tele to Wide) in Manual Mode] |
| Focus speed | Slow / MID. / Fast Selectable [Fast : Approx. 5.0 Second (Far to Near) in Manual Mode] |
| Auto focus | Auto / One Push |
| Iris | ALC (Adjustable Output Target Level) / Manual |
| Day & night | Day / Night / Auto / Schedule |
| Electronic image stabilizer | Off / On |
| Sens. Up | OFF / ON (4X) |
| Electronic shutter speed | 1/1 to 1/10,000 |
| Exposure mode | Auto / Manual |
| Back light compensation | OFF / ON |
| Sharpness | Adjustable |
| White balance | ATW / AWC / Manual (1700K – 11000K) |
| Auto gain control | 0 – 28dB (12 Step) |
| Digital noise reduction | (2D) OFF / ON (LEVEL=1 – 5) |
| Auto mode | OFF / AUTO / SEQ / TOUR |
| Dynamic privacy zone mask | OFF / ON (Up to 24 area) |
| Digital effect | OFF / Mirror |
| Alarm input / output | 6 input (TTL 5Vdc) ,2 Output (0.5A 120Vac,1A 24Vac) |
| Schedule setting | OFF / Auto Mode / Preset Position |

| NETWORK | |
|-----------------------|--|
| Video compression | H.264, Motion JPEG |
| Resolution | 1080P(1920 x 1080), 720P(1280 x 720), D1(720 x 480), CIF(352 x 240) |
| Frame rate | H.264 : up to 30 FPS at 1080P(1920 x 1080) Motion JPEG : up to 30 FPS at D1(720 x 480) |
| Video streaming | RTP/HTTP, RTP/TCP, RTP/UDP, Multicast |
| Video bitrate | 128 Kbps to 5 Mbps |
| | Frame rate and bitrate controllable on-the-fly VBR / CBR / GOP supported |
| Security | Base64 HTTP encryption |
| | Multiple user access levels with password protection |
| | 10 user accounts available |
| Users | 8 simultaneous users |
| OSD | Text overlay for date, time, and camera name |
| Alarm function | Image upload over FTP and E-mail by alarm / motion detection |
| Cpu, memory | Embedded SoC ARM11, 528MHz, 256MB DDR2, 256MB flash memory |
| Web PTZ control | Pan , tilt , zoom in / out , absolute position, and video-click-n-move |
| PTZ preset scheduling | Yes, via web interface |
| Maintenance | Firmware update via HTTP |
| | Firmware available at web site |
| Network interface | 10Mbps / 100Mbps , RJ-45 |
| Client pc requirement | OS : Windows 2000, Windows XP, Windows Vista, Windows 7, Windows 8 |
| | Browser : Windows Internet Explorer 6.0 or above |
| | CPU : intel pentium 4 1.8GHz or above RAM : 1GB or above, Independent Display Card |
| Network protocols | IP, TCP, UDP, HTTP, SMTP, NTP, DDNS, UPnP, FTP, ARP, DHCP, PPPoE, DNS, RTSP, RTCP, Telnet, ICMP, IGMP, ONVIF, SNMP |
| Mobile phone | iPhone, iPad, and Android support |
| System integration | ONVIF & LILIN HTTPAPI |
| CMX | CMX HD 3.6 support |
| Video display | LILIN Universal ActiveX & LILIN Java Applet |
| OS | Embedded Linux 2.6.32 |
| Two-way audio | G.711 |
| SD card recording | Support Micro SD/SDHC/SDXC card for circular recording (card is not included) |