

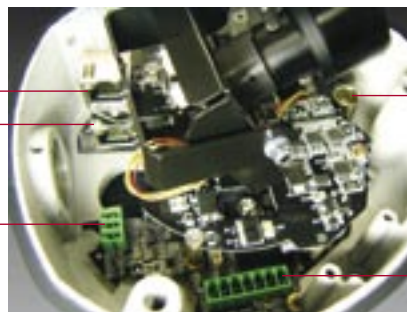


MPEG-4 Real-time Network Streaming Outdoor IP Rugged Dome

# CAM-7300 Series

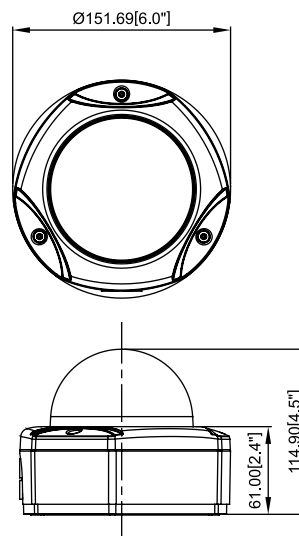


- 1/3" Sony SuperHAD / EXviewHAD CCD
- 0.15 Lux (CAM-7301) / 0.05 Lux (CAM-7321/7322) at F1.2
- Backlight Compensation, Auto Iris Control, Auto White Balance supported
- MPEG-4 ASP compression
- CIF up to Full D1 resolution at 30/25 FPS
- Multi-stream with variable frame rate in the same compression
- Two-way audio supported
- Hardware motion detection, Digital Input/Output
- Hybrid analog and ethernet video output with 540 TV lines
- Power over Ethernet (IEEE 802.3af) supported, or AC 24 V power source supported
- Heavy-duty, weatherproof and vandal proof with IP66 protection



- |                                 |                                  |
|---------------------------------|----------------------------------|
| ① LAN Port                      | ④ Analog Video Output            |
| ② WAN Port                      | ⑤ Audio & Digital Input / Output |
| ③ DC 12 V / AC 24 V Power Input |                                  |

## DIMENSION DIAGRAM



Unit: mm [inch]

# CAM-7300 Series

## PRODUCT SPECIFICATION

|                         |                          | CAM-7301   | CAM-7321 / CAM-7322  |
|-------------------------|--------------------------|--|--|
| Image                   | Device                   | SONY SuperHAD CCD  | SONY EXviewHAD CCD   |
|                         | Size                     | 1/3 inch   |  |
|                         | Effective Pixels (HxV)   | 811 x 508 (NTSC); 795 x 596 (PAL)  |  |
|                         | Horizontal Resolution    | 540 TVL  |  |
|                         | Multi-stream             | Up to 4 configurable frame rate/bit rate streams for preview and recording   |  |
| Min. Scene Illumination | Color                    | 0.15 Lux at F1.2 (30IRE, SAGC)   | Color mode automatically switched to B/W mode under 4 Lux  |
|                         | B/W                      | N/A  | 0.05 Lux at F1.2 (30IRE, SAGC ON)  |
|                         | IR Sensitivity           | N/A  |  |
| Lens                    | Focal Length             | 2.9 ~ 10 mm  |  |
|                         | Viewing Angel            | 74.2° ~ 30.0° (Horizontal)   |  |
| Camera Angle Adjustment | X (Panning)              | 0° ~ 300°  |  |
|                         | Y (Tilting)              | 0° ~ 90° (The adjustable angle of vision 0° ~ 77°)   |  |
| Synchronization         | Sync. System             | Internal   |  |
| Day/Night Functions     | Mechanical IR Cut Filter | N/A  |  |
| Functions               | Motion Detection         | Yes (3 windows)  |  |
|                         | Electronic Shutter       | AES On: 1/60 ~ 1/100,000 sec. (NTSC); 1/50 ~ 1/100,000 sec. (PAL); AES Off: 1/60 sec. (NTSC); 1/50 sec. (PAL)            |  |
|                         | BLC                      | On / Off (switchable)  |  |
|                         | AGC                      | On / Off (switchable)  |  |
|                         | White Balance            | AWB  |  |
|                         | Flickless                | On/Off (switchable)  |  |
|                         | Auto Iris Control        | DC Iris  |  |
| S/N Ratio               | S/N Ratio                | Better than 50 dB (AGC off)  |  |
| Video (Compression)     | Compression              | MPEG-4 ASP compliant   |  |
|                         | Picture Resolution       | Full D1 (720x480 in NTSC, 720x576 in PAL); CIF (352x240 in NTSC, 352x288 in PAL); QCIF (160x112 in NTSC, 176x144 in PAL) |  |
| Video Output            | Bit Rate                 | 28 K ~ 3M bps  |  |
|                         | Composite Output         | CVBS, 1.0Vp-p with 75 Ω loading, BNC connector   |  |
| Audio Input             | Compression              | 8kHz, Mono, PCM  |  |
|                         | Audio Line Input         | Unbalanced, 1.4 Vp-p, 1Vrms, terminal block  |  |
| Audio Output            | Compression              | 8kHz, Mono, PCM  |  |
|                         | Audio Line Input         | Unbalanced, 1.4 Vp-p, 1Vrms, terminal block  |  |
| Alarm                   | Input                    | 1, TTL, terminal block   |  |
|                         | Output                   | 1, TTL, terminal block   |  |
| External I/O            | Reset Button             | Factory default  |  |
|                         | IP66 Rated               | Weatherproof casing with IP66 standard   |  |
| Casing                  | Vandal Proof             | Vandal proof supports, durability up to 619.3 KgF  |  |
|                         | Mount Types              | Surface / Flush / Wall   |  |
|                         | LAN Port                 | Ethernet (10/100Base-T), RJ-45 connector   |  |
| Network                 | WAN Port                 | Ethernet (10/100Base-T), RJ-45 connector   |  |
|                         | Protocol                 | TCP, UDP, IP, HTTP, DHCP, PPPoE, RTP, RTSP, FTP, SMTP, DNS, DDNS, NTP, ICMP, IGMP, ARP                                   |  |
|                         | Web Browser              | Microsoft Internet Explorer 6.0 or above   |  |
| Software                | SDK                      | ACTi SDK-10000   |  |
|                         | Security                 | Password Protection : Configured by the administrator  |  |
| Operating               | Heater / Fan             | Yes (built-in) (CAM-7321)  |  |
|                         | Temperature              | -30 °C ~ 50 °C (-22 °F ~ 122 °F) for DC 12 V / AC 24 V; -5 °C ~ 50 °C (7 °F ~ 122 °F) for PoE                            |  |
| Power                   | Power Requirement        | PoE (IEEE802.3af) with Class 3 (CAM-7301)  | PoE (IEEE802.3af) with Class 3 (CAM-7321)<br>AC 24 V ±10% (CAM-7322)   |
|                         | Power Consumption        | 7.7 W (DC 12 V) w/o Heater & Fan<br>14.9 W (DC 12 V) w/ Heater ON & Fan ON<br>9.0 W (PoE) w/o Heater & Fan               | 7.7 W (DC 12 V) w/o Heater & Fan (CAM-7321 / CAM-7322)<br>14.9 W (DC 12 V) w/ Heater ON & Fan ON (CAM-7321 / CAM-7322)<br>9.0 W (PoE) w/o Heater & Fan (CAM-7321)<br>11.2 W (AC24V) w/o Heater & Fan (CAM-7322)<br>21.4 W (AC 24 V) w/ Heater ON & Fan ON (CAM-7322) |
|                         |                          | Dimensions (ØxH)   | 151.69 mm x 114.9 mm (6.0" x 4.5")   |
| Physical                | Weight                   | 1,145 g (2.5lb)  |  |

## ORDERING INFORMATION

| Model Name | NTSC | PAL | D&N | DC 12 V / PoE | DC 12 V / AC 24 V |
|------------|------|-----|-----|---------------|-------------------|
| CAM-7301N  | ✓    |     |     | ✓             |                   |
| CAM-7301P  |      | ✓   |     | ✓             |                   |
| CAM-7321N  | ✓    |     | ✓   | ✓             |                   |
| CAM-7321P  |      | ✓   | ✓   | ✓             |                   |
| CAM-7322N  | ✓    |     | ✓   |               | ✓                 |
| CAM-7322P  |      | ✓   | ✓   |               | ✓                 |

## ACCESSORY OPTIONS

- Wall mount kit R695-00019-001
- Flush mount kit R695-00020-000



R695-00019-001



R695-00020-000