



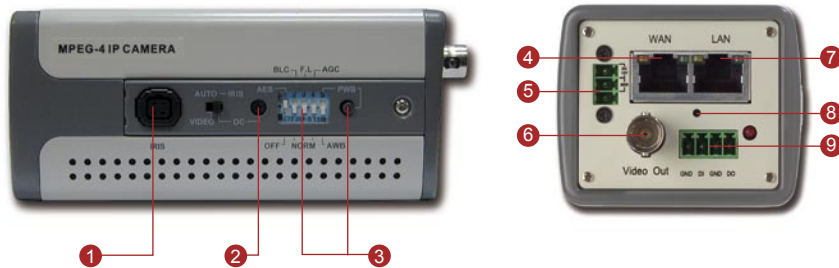
MPEG-4 ASP IP Box Camera

# CAM-5301/CAM-5321



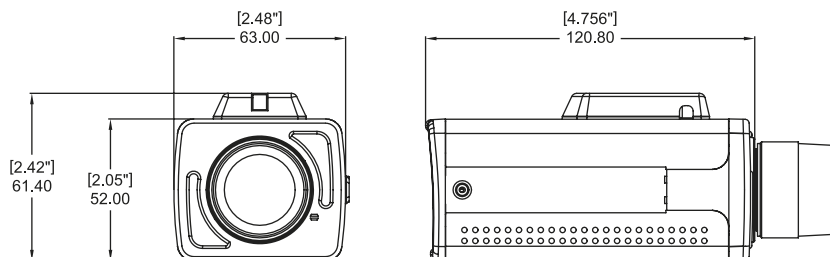
\* The lens needs to be purchased separately.

- 1/3" Sony SuperHAD / EXviewHAD CCD
- Day and night function with Mechanical IR Cut Filter (CAM-5321)
- 0.15 Lux (ACM-5301) / 0.05 Lux (ACM-5321) at F1.2
- Backlight Compensation, Auto Iris Control, Auto White Balance supported
- Interchangeable lenses available
- MPEG-4 ASP compression
- CIF up to Full D1 resolution at 30/25 FPS
- Multi-stream with variable frame rate in the same compression
- Hardware motion detection, Digital Input/Output
- Fail-over network protection and QoS enabled (L3) video streaming
- Hybrid analog and ethernet video output with 480 TV lines
- DC 12V or Power over Ethernet (IEEE 802.3af) supported



- |                               |                       |                          |
|-------------------------------|-----------------------|--------------------------|
| ① Auto Iris Lens Control Port | ④ WAN Port            | ⑦ LAN Port               |
| ② DC Level                    | ⑤ DC 12V Power Input  | ⑧ Reset Button           |
| ③ Function DIP Switches       | ⑥ Analog Video Output | ⑨ Digital Input / Output |

## DIMENSION DIAGRAM



Unit: mm [inch]



# CAM-5301/CAM-5321

## PRODUCT SPECIFICATION

|                         |                          | CAM-5301   | CAM-5321  |
|-------------------------|--------------------------|--|---|
| Image                   | Device                   | SONY SuperHAD CCD  |   |
|                         | Size                     | 1/3 inch   |   |
|                         | Effective Pixels         | 811 (H) x 508 (V) (NTSC); 795 (H) x 596 (V) (PAL)  |   |
|                         | Horizontal Resolution    | 480 TVL  |   |
| Min. scene Illumination | Color                    | 0.15 Lux at F1.2 (30 IRE, SAGC)  | Color mode automatically switched to B/W mode under 4 Lux       |
|                         | B/W                      | N/A  | 0.05 Lux at F1.2 (30 IRE, SAGC)                                 |
|                         | IR Sensitivity           | N/A  | from 700nm to 1100nm  |
| Lens                    | Lens Mount               | C / CS (with adaptor)  |   |
| Synchronization         | Sync. System             | Internal   |   |
| Day/Night Functions     | Mechanical IR Cut Filter | N/A  | Yes   |
| Functions               | Motion Detection         | Yes (3 windows)  |   |
|                         | Electronic Shutter       | AES On: 1/60~1/100,000 sec.(NTSC); 1/50~1/100,000 sec.(PAL)  |   |
|                         | Fixed Shutter (Manual)   | AES Off: 1/60 sec (NTSC); 1/50 sec (PAL)   |   |
|                         | BLC                      | On / Off (switchable)  |   |
|                         | AGC                      | On / Off (switchable)  | On / Off (switchable) Turning off AGC will disable D&N function |
|                         | White Balance            | AWB / PWB (switchable)   |   |
|                         | Flickerless              | On / Off (switchable)  |   |
|                         | Auto Iris Control        | Video / DC (switchable)  |   |
| S/N Ratio               | S/N Ratio                | Better than 50 dB (AGC off)  |   |
|                         | Compression              | MPEG-4 ASP compliant   |   |
| Video (Compression)     | Picture Resolution       | Full D1 (720 x 480 in NTSC, 720 x 576 in PAL); CIF (352 x 240 in NTSC, 352 x 288 in PAL); QCIF (160 x 112 in NTSC, 176 x 144 in PAL) |   |
|                         | Bit Rate                 | 28 K ~ 3 M bps   |   |
|                         | Image Frame Rate         | 30 fps at full D1 resolution (NTSC); 25 fps at full D1 resolution (PAL)  |   |
|                         | Multi-stream             | Up to 4 configurable frame rate/bit rate streams for preview and recording   |   |
| Video Output            | Composite Output         | CVBS, 1.0Vp-p with 75 Ω loading, BNC connector   |   |
| Alarm                   | Digital Input            | 1, TTL, terminal block   |   |
|                         | Digital Output           | 1, TTL, terminal block   |   |
| External I/O            | Reset Button             | Factory default  |   |
|                         | LED                      | System status  |   |
| Network                 | LAN Port                 | Ethernet(10/100Base-T), RJ-45 connector  |   |
|                         | 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   |   |
| Software                | Web Browser              | Microsoft Internet Explorer 6.0 or above   |   |
|                         | SDK                      | ACTi SDK-10000   |   |
|                         | Security                 | Password Protection : configured by the administrator  |   |
| Operating               | Temperature              | 5°C~50°C (40°F~122°F)  |   |
| Power                   | Power Requirement        | PoE (IEEE802.3af) with Class 3 (CAM-5301)  | PoE (IEEE802.3af) with Class 3 (CAM-5321)                       |
|                         | Power Consumption        | 6.84W (DC 12V)<br>7.68W (PoE)  | 6.96W (DC 12V)<br>8.16W (PoE)                                   |
| Physical                | Dimensions (WxHxD)       | 63 mm x 52 mm x 120 mm (2.48" x 2.05" x 4.76")   |   |
|                         | Weight                   | 450 g (0.99 lb)  |   |
| Approvals               | Certificate              | CE, FCC  |   |

## MODEL SELECTION

| Part Number | NTSC | PAL | DC 12V / PoE | D & N |
|-------------|------|-----|--------------|-------|
| CAM-5301HN  | V    |     | V            |       |
| CAM-5301HP  |      | V   | V            |       |
| CAM-5321HN  | V    |     | V            | V     |
| CAM-5321HP  |      | V   | V            | V     |

## ACCESSORY OPTIONS

- Lens, f3.0~8mm F1.0, CS mount, Format 1/3" (For CAM-5301)      PLEN-103
- Lens, f3.0~8.5mm F1.0, CS mount, Format 1/3" (For CAM-5321)      PLEN-105
- Camera bracket      PMAX-1100-000R0
- Outdoor housing      PMAX-0201-000R0
- Lens, f5.0~55mm F1.4, CS mount, Format 1/3" (For CAM-5301)      PLEN-104
- Lens, f7.5~50mm F1.3, CS mount, Format 1/3" (For CAM-5321)      PLEN-106
- Housing bracket      PMAX-1101-000R0