

Samsung Electronics *NET.I*



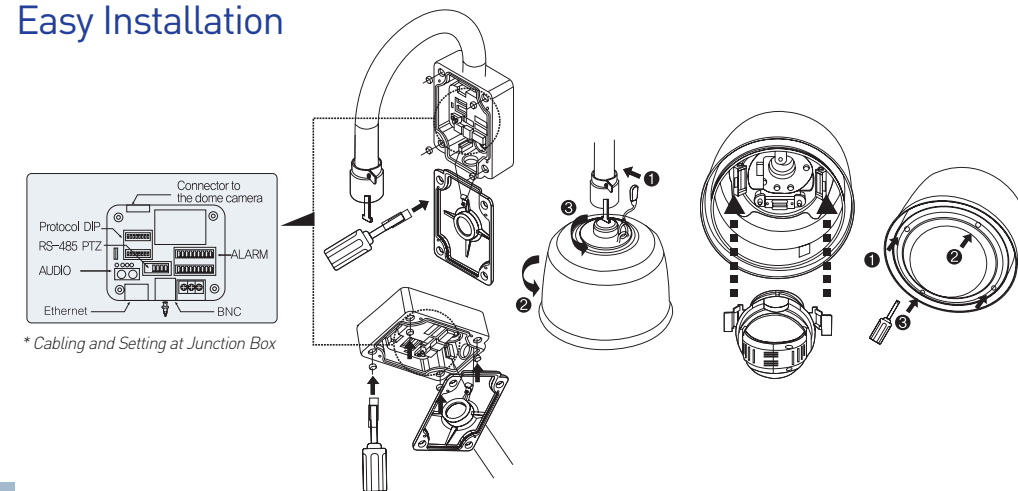
36x Zoom SmartDome Network Camera SNC-C7478/C7478C

KEY Features

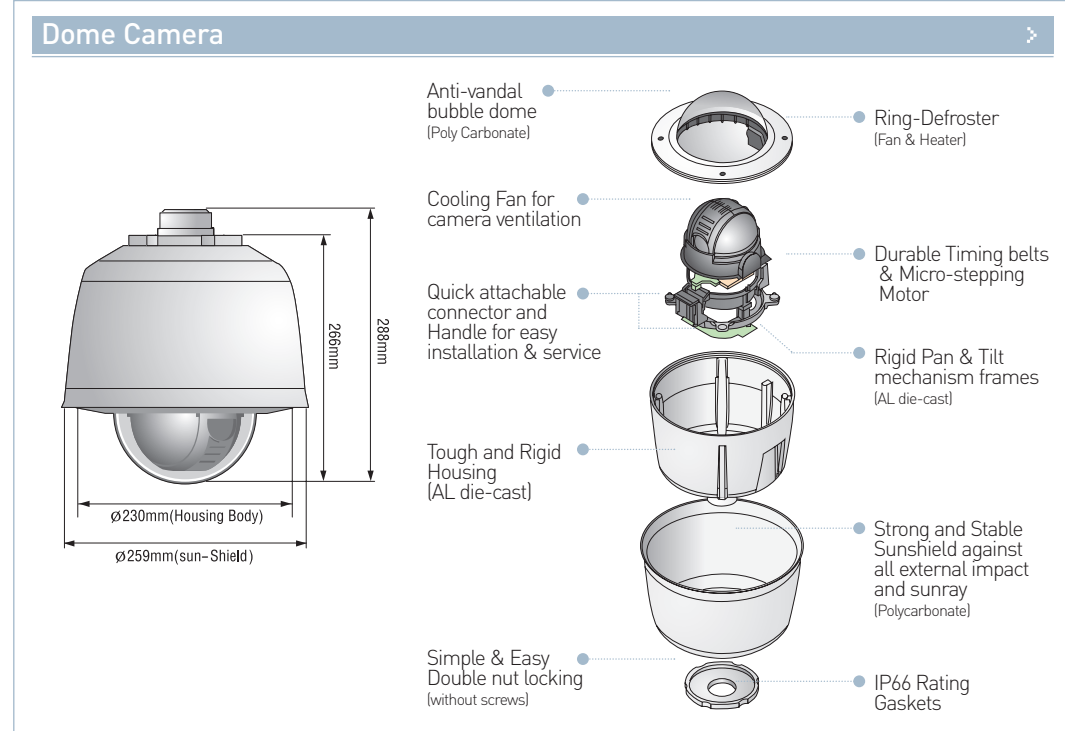
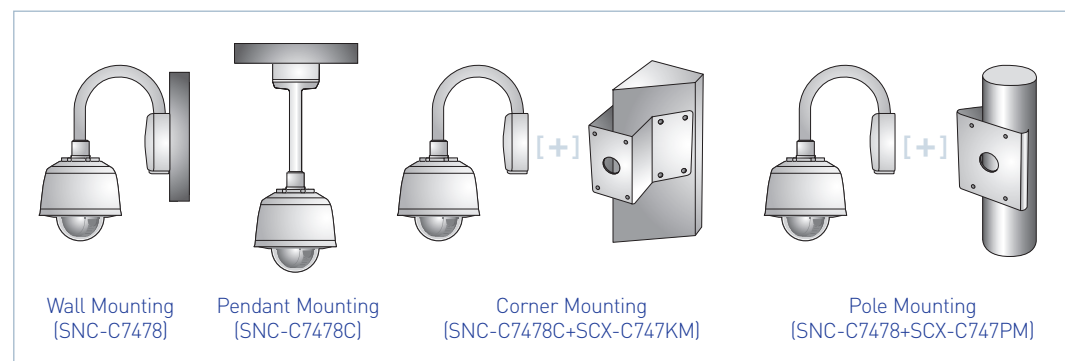
- Real-time 30(25) ips at High Resolution(D1)
- MPEG-4 & MJPEG Dual Encoding
- Digital Image Stabilizer
- True Day and Night Function (IR Cut Filter)
- WDR (Wide Dynamic Range)
- Bi-directional Audio Support
- DDNS Support
- Micro SD/SDHC Memory Card Slot for Alarm Recording
- IPv4/IPv6 support
- 432x Zoom Control (Optical 36x, Digital 12x)
- Rotating Speed : MAX. 360°/sec
- Smooth Manual Speed: MIN. 0.05 °/sec
- Endless 360° Pan Rotation
- Shortest Path by Vector Drive Technology
- High Accuracy with Micro-Stepping (256 Div.)
- Scheduled Preset Function
- Housing Design for Quick installations and Maintenance
- Vandal Proof/ Waterproof



Easy Installation



Mounting Options





Camera Specifications

| ITEMS | SUB-ITEMS | | SNC-C7478(C) |
|-------------------------|--------------------------|--|--|
| Camera Type | Color/BW | | Color |
| Image | Sensor Device | | Ex-view HAD PS CCD |
| | Size | | 1/4 inch |
| | Pixels | Total | NTSC : 811 x 508 / PAL : 795 x 596 |
| Effective | | NTSC : 768 x 494 / PAL : 752 x 582 | |
| Scanning | Horizontal Frequency | Internal Mode | NTSC : 15,734 Hz / PAL : 15,625 Hz |
| | | Line-lock Mode | NTSC : 15,734 Hz / PAL : 15,625 Hz |
| | Vertical Frequency | Internal Mode | NTSC : 59.94 Hz / PAL : 50 Hz |
| | | Line-lock Mode | 60 Hz |
| Resolution | Horizontal | Color: 540TVL / BW: 570TVL | |
| | Vertical | 350TVL | |
| S/N Ratio | | | 50dB |
| Lens | Focal Length | | 3.4 ~ 122.4mm |
| | Zoom Ratio | | 36x Optical |
| | Aperature Ratio | | F1.6(W)/F4.5(T) |
| | Viewing Angle | Tele | 1.70°(H) x 1.27°(V) |
| | | Wide | 57.80°(H) x 43.35°(V) |
| | Lens Drive Type | | DC Auto Iris |
| Mount Type | | Board-in type | |
| Min. Scene Illumination | Color | | 1.3 Lux (50 IRE) |
| | B/W | | 0.13 Lux (50 IRE) |
| PAN/TILT | Speed | Manual Pan | 0.05~360°/sec |
| | | Preset Pan | 360°/sec |
| | | Manual Tilt | 0.05~360°/sec |
| | | Preset Tilt | 360°/sec |
| | Range | Panning | 0~360°(endless) |
| | | Tilting | 180° |
| | Number of Auto PAN | | 8 ea |
| | Number of Preset | | 127 ea |
| | Number of Pattern | | 4 ea |
| | Functions | Number of Privacy Zone | |
| Day/Night | | Auto / Day / Night (IR Cut Filter) | |
| Wide Dynamic Range | | On / Off | |
| Digital Zoom | | Yes(- 12x) | |
| High Speed Shutter | | NTSC : 1/60 ~ 1/10,000 sec / PAL : 1/50 ~ 1/10,000 sec | |
| Sens Up | | NTSC : Yes(2x ~ 60x) / PAL : Yes(2x ~ 50x) | |
| BLC | | On / Off | |
| AGC | | Auto/Manual(-3~28dB) | |
| Camera ID | | dip switch adjustable | |
| White Balance | | Auto/Manual(Red,Blue Gain Adj.) | |
| OSD | OSD | | Yes |
| | Language | | E / F / D / S / I / P / R |
| Remote Control | RS485 | | RS-485 |
| | Protocol | | SAMSUNG, PELCO-P/D, Panasonic, AD, Karatel |
| Environmenta Conditions | Fan / Heater | | Yes |
| | Operating Temperature | | -45°C ~ +50°C |
| | Humidity | | Above 90% (Waterproof) |
| Power | Power Requirement | | AC 24V |
| | Power Consumption | | 24W(Header OFF) / 57W(Heater ON) |
| | LED Indicator | | Yes |
| Physical Specification | Dimensions (WxHxD) | Net(SNC-7478) | 259 X 552 X 404.5 mm |
| | | Net(SNC-7478C) | 259 X 649 X 259 mm |
| | | Package | 259 X 400 X 500 mm |
| | Weight | Net | 6kg |
| | | Package | 11kg |
| | Color | Body | White Grey |
| | Sun-Shield | | Include |
| | Wall-mount/Ceiling-mount | | Include |
| | Anti Vandal | | Yes (IP66) |

| Minimum Illumination | | | | |
|----------------------|-------|--------|-------------------------|-------------|
| Condition | | | Min. Scene Illumination | |
| Sens-up | F No. | Level | Color | B/W (S/W) |
| No | 1.6 | 50 IRE | 1.3 Lux | 0.13 Lux |
| No | 1.6 | 30 IRE | 0.78 Lux | 0.078 Lux |
| No | 1.6 | 15 IRE | 0.39 Lux | 0.039 Lux |
| 64 times | 1.6 | 50 IRE | 0.0203 Lux | 0.00203 Lux |
| 64 times | 1.6 | 30 IRE | 0.0122 Lux | 0.00122 Lux |
| 64 times | 1.6 | 15 IRE | 0.0061 Lux | 0.00061 Lux |

Network Specifications

| ITEMS | SUB-ITEMS | | SNC-C7478(C) |
|-----------------------------|-------------------------------|--|--|
| Network Board | OS | | Embedded Linux |
| | Hardware | Flash memory | 32M byte |
| | | RAM | 256M byte |
| | | Ethernet | RJ-45 (10/100BASE-T) |
| | | Video Out | VBS 1.0Vp-p |
| | | Audio | Line In / Line Out |
| | | SD Memory Slot | Yes (Micro SD/SDHC) |
| | | PoE | N/A |
| Alarm | Input | 8ea | |
| | Output | 4ea | |
| Video | Compression | | MPEG4 / MJPEG Dual Codec Simultaneous Dual Streaming |
| | Resolution | D1 | NTSC : 720x480 / PAL : 720x576 |
| | | VGA | 640x480 |
| | | CIF | NTSC : 352x240 / PAL : 352x288 |
| | Frame Rate | NTSC : 30, 15, 8, 3, 1 fps / PAL : 25, 13, 6, 3, 1 fps | |
| Quality | 1 ~ 10 level | | |
| Audio | Compression | | G.711 |
| | Bi-Directional Communication | | Yes |
| OSD | Camera Control and Adjustment | | OSD menu on Video (Menu enter/exit, move by Web UI) |
| DIS | Digital Image Stabilizer | | Yes |
| Motion Detection | Sensitivity and Area Setting | | High, Medium, Low |
| Protocol | IP | | IPv4 / IPv6 |
| | Network Protocol | IPv4 | TCP/IP, UDP/IP, RTP(UDP), RTP(TCP), RTSP, NTP, HTTP, HTTPS, SSL, DHCP, PPPoE, FTP, SMTP, ICMP, IGMP, SNMPv1/v2c/v3(MIB-2), ARP, DNS, DDNS |
| | | IPv6 | TCP/IP, HTTP, HTTPS, SSL, DHCP |
| | Streaming | | Unicast, Multicast |
| | Security | | HTTPS(SSL) Login Authentication / Digest Login Authentication |
| | DDNS | | Supporting Samsung DDNS and Public DDNS services |
| Connection | Maximum User Access | | Max 10 Users at Unicast Mode / Max 20 Users at Multicast Mode |
| | User Access Level | Administrator | Live Monitoring, Alarm I/O control, OSD menu control, PTZ control, SD memory search, SETUP |
| | | Operator | Live Monitoring, PTZ control, Alarm I/O control |
| Event Management | Alarm Input | | JPEG Image transfer : FTP JPEG Image Recording : SD memory, Notification : notify to viewer or by E-mail (one image attachment), Alarm Out |
| | Motion Detection | | |
| | Schedule | | JPEG Image transfer : FTP, E-mail / JPEG Image Recording : SD memory |
| | Supported OS | | Windows XP, VISTA |
| Web Browser Viewer(Default) | Supported Browser | | Internet Explorer 6.0 or Higher |
| | UI Language | | E / F / G / S / I / C / K |
| | S/W upgrade | | Using Web viewer UI |
| Video Player | RTP/RTSP streaming | | Quicktime, VLC player |
| Video Management Software | | | Samsung NET-i, 3rd Party S/W application |
| Application | IP Installation | | IP Installer Application for All Samsung IP Devices |
| SDK | HTTP API | CGI Command | Provides functionality to control cameras and set/retrieve internal parameter values. Get JPEG image or MJPEG stream Alarm In/Out control |
| | | | RTP/RTSP API |
| | ActiveX | SDK | ActiveX API for viewing data streams from IP camera |

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