

# WDR Megapixel Network Bullet Camera

## WDR / Day & Night / H.264



## LC-7451/7451AF

APPRO's LC-7451 is an ideal WDR IP Bullet camera offering a perfect video solution for enhancing image quality. This camera delivers simultaneous H.264, MPEG4 and MJPEG video compression for both image quality and bandwidth efficiency. The "WDR" feature generates superior images which can integrate images' shadowed and brighter parts into realistic scenes. In addition, the LC-7451 features an IR-cut filter for capturing all movements in nighttime conditions.

APPRO's LC-7451 not only provides multiple functions such as two-way audio, multiple security authority settings and user-friendly UPnP configurations ( a USB interface for IP address setting, and an SD card for recording ), but it also supplies a full range of power selections -- DC 12V, AC 24V and PoE ( IEEE 802.3af ). With the aid of the PoE device, the LC-7451 reduces the requirement of the Ethernet cable as well as installation costs.

APPRO's LC-7451 is provided with an IP-66 certification to protect it from dust and water, making it perfectly suitable for outdoor and indoor use. Furthermore, the LC- 7451 is equipped with a mounting bracket that conceals all cables within the bracket. The bracket also allows for a quick and easy installation, besides providing the camera with its clean and professional compactness.



### Features

- The bracket prevents the cables from intentional and natural damage.
- 1/3" WDR Sony CMOS sensor.
- Simultaneous H.264, MPEG4 and MJPEG video streaming.
- Up to 30 / 25 frame rate in all resolutions.
- Supports two-way audio.
- User-friendly UPnP functions:
  - USB interface for IP address setting and updating.
  - SD card for alarm recording.
- IP-66 certification is for preventing dust and water.
- Power requirements: DC 12V / AC 24V / PoE.

# The Megapixel / WDR / Day & Night / H.264 IP Bullet Camera LC-7451/7451AF

## SPECIFICATIONS

### Video system

- Video sensor : 1/3" Sony IMX035 CMOS sensor.
- Lens :  
**LC-7451**: 3.3-12mm vari-focal board type (**VGA Type**).  
**LC-7451AF**: 3.3-12mm Remote Motorized Vari-focal (**VGA Type**).
- Auto Iris.
- Min. Illumination :  
**LC-7451**: Color : 0.2 Lux @ F1.4 , B/W : 0.01 Lux @ F1.4.  
**LC-7451AF**: Color : 0.4 Lux @ F1.6 , B/W : 0.04 Lux @ F1.6.
- Day & Night function (Mechanical IR-Cut filter).

### Image system

- Video codec :
  - Simultaneous H.264, MPEG4 & MJPEG video streaming.
  - Simultaneous multi-profile video stream(3 profiles).
  - Controllable frame rate and bandwidth.
- Resolutions :
  - Aspect ratio:  
"4:3": 1280x1024, 1280x960, 1024x768, 800x600, 640x480, 480x360, 320x240,160x120.
  - "16:9": 1280x720, 800x450, 640x360, 480x270, 320x180, 176x120.
- Frame rate : Up to 30/25 fps in all resolutions.
- Image quality : 5 levels.
- Image configurations :
  - AGC, Exposure Time, Mirror, Flip, White Balance.
- Digital PTZ : Yes.
- OSD data : IP Address/Date/Time/Icon.
- Timestamp : Title/Date/Time.
- Exposure Mode:
  - Indoor, Outdoor, Night, Low-Noise, Moving, Customize x 3, Schedule.

### Audio

- Input / output : audio input x 1 / audio output x 1.
- Compression : G.711 / G.726.
- Two-way audio.

### Software

- Operation system : Linux-based system.
- Update : SD card / HTTP.

### Alarm function

- Alarm triggers : Motion detection / Schedule / Alarm input / Ethernet disconnection / Network/Remote digital alarm input.
- Alarm application: SD recording / SMTP / FTP / CMS recording.
- Alarm duration : Programmable.
- Pre-alarm, and post alarm.
- Schedule counts : 7.

### Networking system

- Support protocols :  
IPv4, TCP, UDP, ICMP, DHCP,HTTP, FTP , SMTP , NTP, UPnP, RTP, RTCP, RTSP, DNS, DDNS, PPPoE.
- Security :
  - Multiple authority levels.
  - IP filtering.
- Users : 10 simultaneous users' access.

### Port functions

- Ethernet 10 /100 Base-TX, RJ-45.
- SD/SDHC card slot.
- USB connector.
- Push-in block for 2 x digital input /2 x digital output/ 1 x DC output (DV 12C)/ 1 x Ground.
- BNC output for analog signal output.
- DC/AC jack connector.

### Miscellaneous

- LED indicator : Network /SD status .
- Button : Reset button.
- Power :
  - DC 12V (DC power jack) Approx. 4.8 W.
  - AC 24V (2pin terminal block) Approx. 6 W.
  - PoE: Approx. 6 W, IEEE 802.3af compliant class 3.
- Temperature : -40°C ~ 50°C (-40°F ~ 122°F).
- Approvals : CE/FCC/RoHS/IP-66/ C-Tick.
- Package include :
  - CD x 1.
  - Quick installation guide x 1.
  - Power adapter (DC 12V) x 1.
  - RJ-45 cable x 1.
- Mounting bracket :
  - MK-1426



\*Design and specifications are subject to change without notice.

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